

The Official Publication of the Worldwide TV-FM DX Association

1996

**BEST WISHES IN '96 FROM
YOUR FRIENDS AT WTFDA!!!**

WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

EDITOR/PUBLISHER : BILL THOMPSON COMPTROLLER: DAVE JANOWIAK
FM NEWS: GREG CONIGLIO CONVENTION CO-ORDINATOR: TOM BRYANT
TV NEWS: DOUG SMITH PSB: BILL HEPBURN SATELLITES: GEORGE JENSEN
CONTRIBUTING EDITORS: TOM BRYANT, DANNY BUNTIN, GREG CONIGLIO, VICTOR
FRANK, BILL HEPBURN, GEORGE W. JENSEN, JEFF KRUSZKA, TIM MCVEY, FRED
NORDQUIST, MATT SITTEL, DOUG SMITH, STEPHEN WEST, THOMAS J. YINGLING, JR.
LAYOUT : BILL THOMPSON. COVER DESIGN BY: HARRY HAYES.

FROM THE STAFF:

THE END OF AN ERA: Beginning with this issue, the paper used for all VUD cover pages will be white. New postal regulations are the primary reason for the change. Problems with getting colored stock at press time also played a role in the decision. Additionally, there have been complaints that text was difficult to read on the colored stock. To minimize shipping damage, the cover paper for the VUD will continue to be of a heavier weight (thicker) than the inside pages. Our track record for mangled copies seems to be much better than that of our sister radio clubs, both of which use regular paper for their covers.

HEADQUARTERS? ... WE DON'T HAVE ONE! No one knows for sure when or how the trend got started, but for a long time many WTFDA members have referred to "Club Headquarters" in Buffalo. Sorry, there's no such place; unless you can stretch the definition of the word to include a mailbox. P.O. Box 514 is well established as our mailing address, but it's *NOT* headquarters. The club is not in the phone book, and you won't find a 34 story office tower in downtown Buffalo called "The WTFDA Headquarters Building". 'Headquarters' may sound impressive but it's a misnomer...in other words, *there ain't no such critter!*

AMAZING: Elsewhere in this issue you will find a report dealing with the club opinion survey published in the September 1995 VUD. Much to the astonishment of everyone, about 40% of our membership completed and returned the form. The extraordinarily high rate of response indicates that there is a great deal of interest in the VUD...and (perhaps more importantly) that apathy does not prevail. Thanks to all who participated.

UPCOMING: Next month...results of the balloting for our 1996 convention site. In April, the convention ball starts rolling again as we announce the opening of bids for the 1997 convention. Also in the works...the annual financial report.

HAPPY NEW YEAR : Your VUD column and feature editors, along with members of the Board of Directors wish you all the best in '96. The new year will bring about some operational changes for the club as we continue to keep pace with the times. As plans are formulated, you'll read all about it right here in **"FROM THE STAFF"**.

*** WTFDA Membership Survey Results ***

Thanks to everyone who took time to fill out the survey! A total of **131** surveys were returned. The results include all surveys received up to December 1, 1995. (Note: I did receive 5 more surveys by December 4, 1995 but I was unable to include them.)

The number in parentheses in front of each question indicates how many responses to that question on the survey were received. The percentages are based on this number.

(131) 1a. How many years have you been a member of WTFDA?

less than 2 years	13 (10%)	11 to 20 years	34 (26%)
2 to 5 years	27 (21%)	more than 20 years	26 (20%)
6 to 10 years	31 (24%)		

*** The average response is about 11 years. Nice to see all age groups represented in the survey!*

(130) 1b. What is your age?

under 30	9 (7%)	50 to 59	28 (22%)
30 to 39	41 (32%)	60 or over	8 (6%)
40 to 49	44 (34%)		

*** The average response is about 43 years of age. One member is 83 years young!! Combined with 1a, this suggests that we haven't had many younger members join WTFDA recently.*

(106) 2. How did you first find out about the WTFDA?

ad for the club in a magazine	33 (31%)
<i>(Popular Communications: 10, Monitoring Times: 3)</i>	
another radio club	24 (23%)
<i>(NRC: 9, IRCA: 4)</i>	
another DXer	24 (23%)
World Radio-TV Handbook	11 (10%)
FM Atlas	6 (6%)
TV Guide	3 (3%)
other	5 (5%)

(127) 3a. Compared to when you first joined, how often do you contribute to the VUD?

more often	15 (12%)
about the same	47 (37%)
less often	29 (23%)
I don't report	36 (28%)

*** One foreign member wrote to say he didn't know he could report to the VUD. Everyone is welcome to contribute, and we hope you will. Let's make this the V-YOU-D!*

(36) 3b. If you don't report, why?

no time / too busy / lazy	16 (44%)
little DX / poor location	6 (17%)
no equipment	4 (11%)
I don't DX	2 (6%)
other / no answer	8 (22%)

(131) 4. Please list which bands you actively DX:

TV	104 (79%)	Ham radio	14 (11%)
FM	89 (68%)	scanner frequencies	11 (8%)
AM	40 (31%)	BCB	5 (4%)
shortwave	16 (12%)	satellite	4 (3%)

(131) 5. Other than WTFDA, are you a member of any AM, FM, TV, ham shortwave, or other DX clubs? If so, please list:

NRC	39 (30%)	ODXA	4 (3%)
ARRL	16 (12%)	LWCA	4 (3%)
IRCA	15 (11%)	Decalcomania	4 (3%)
local Ham club(s)	11 (8%)	CIDXC	2 (2%)
NASWA	7 (5%)	10-10 Net	2 (2%)

**** Only clubs mentioned by 2 or more people are listed.**

(131) 6. Do you subscribe to any other hobby-related publications? If so, please list:

Popular Communications	26 (20%)
Monitoring Times	25 (19%)
QST	12 (9%)
Communications Quarterly	5 (4%)
M Street Journal	5 (4%)
FMedia!	4 (3%)
Broadcasting and Cable	3 (2%)

**** Only publications mentioned by 3 or more people are listed.**

(131) 7. How often do you read the following VUD features?

The most read features are:

1. TV News	5. Non-technical articles/special reports
2. From The Staff	6. Eastern TV-DX
3. Photo-News	7. (tie) FM News
4. Technical articles/special reports	TV Time Tunnel

**** Every VUD feature was ranked as 'always read' by at least 25 members, so while your favorite may not be listed above, trust that there are many others who also enjoy the variety of subjects covered in the VUD!**

(76) 8. Please list any subjects not currently covered in a VUD column that you would like to see in a new column.

The top responses were:

1. equipment/antenna reviews, comparisons and information
2. technical topics
3. return of the CCI column
4. "how-to", such as modifying tuners
5. interviews of DXers
6. bandscans

(131) 9a. The WTFDA recently had a dues increase. Do you feel, given current dues, that you get your money's worth?

YES	123 (94%)	NO	8 (6%)
-----	-----------	----	---------

(131) 9b. Will this increase affect your membership renewal?

YES	6 (5%)	NO	125 (95%)
-----	---------	----	-----------

*** Some non-US members expressed concern over exchange rates.*

(131) 10. Have you ever attended a WTFDA convention?

YES	52 (40%)	NO	79 (60%)
-----	----------	----	----------

(131) 11. Do you have access to electronic mail?

YES	41 (31%)	NO	90 (69%)
-----	----------	----	----------

(131) 12. Would you like to see a membership list published?

YES	121 (92%)	NO	10 (8%)
-----	-----------	----	----------

*** This is in the works for later this year.*

(131) 13. Have you experienced any problems with receiving your VUD?

YES	48 (37%)	NO	83 (63%)
-----	----------	----	----------

(48) If so, please explain:

Most often mentioned were:

damaged VUD (ex. torn cover)	21
mailing delays/late arrival	14
missed issues	8

14. What is your primary DX antenna for the following bands:

VHF-TV:	Channel Master	23 (1110 (6), 3610B (2), 3617B (2))
	Radio Shack	18 (VU-190 (2), VU-160 (2), VU-110(2))
	Winegard	8 (various models listed)
	Jerrold	3

UHF-TV:	Channel Master	24 (4251/7' dish (9), 4250/6' dish (3))
	Radio Shack	16 (VU-190 (2), VU-110 (2))

Winegard	6 (various models listed)
Antennacraft	5 (P-7 (3), P-5 (2))
Finco	3 (7' dish (2))

WTFDA Mailbox, January 1996

FM:	Channel Master	30 (Stereo Probe 9 (25))
	Radio Shack	15 (6-element (5))
	Winegard	4 (6065 (2))
	Jerrold	3 (QFM (2))

*** Model numbers are in parentheses to the right of each brand name, as are the number of people indicating they use that model. Remember that finances don't allow everyone to have top of the line equipment, so this may or may not be a list of the 'best' equipment for DX. I think a separate equipment survey would shed some light on this. Any takers?*

15. Do you use a TV and/or FM preamp? If yes, please give model:

TV:	Winegard	23 (PA4975 (3), AC4990(2))
	Radio Shack	15 (various models listed)
	Channel Master	11 (Spartan II (2), modified Titan (2))
	RDX Labs	11 (UA-900 (7))

FM: 15 said yes, but no one model was mentioned more than once!

16. Do you use an FM tuner? If yes, please give model:

The top vote receivers:

- 6: Carver TX-11, GE Superadio, Macintosh MR-78, Onkyo T-9090
 3: Carver TX-11A
 2: Akai ATV04, ICOM R-7000, Pioneer TX-9100, Pioneer TX-7500, Realistic DX440

Top brands:

Carver	11	Macintosh	6
Pioneer	8	Realistic	6
Yamaha	7	Sony	6
GE	6		

17. Additional comments or suggestions: *(selected responses, listed in no particular order)*

"I would like to see a section or column where readers' questions or technical or other problems can be addressed for all to see" / "Can WTFDA reimburse the editor to get submitted photos professionally screened so that they will look better in print?" / "...would like to see the reporter's equipment listed more consistently, i.e. with every report." / "Would like to see VUD arrive between the 1st and 5th of each month. Would like return of column for uniDs"

"The reprint service operated by Tim McVey is not mentioned much in VUD, but the information available is a treasure for the DXer. The new openness at WTFDA is welcome. All WTFDA volunteers deserve a big round of applause!" / "If this club has any (logging) rules, they are seldom published, and are so vague, why have a stats column at all!? Nothing but a waste of time for sure!!!" / "I wish I could report (on internet), or alternatively, if I could report to someone who has internet" / "I'd probably enjoy the DX columns more if the endless RELOGS were omitted." / "Didn't I read in an issue quite a while back (kind of a side-note) that there is or was an amateur HF

frequency for TV-FM DXers? I assume this would be an informal meeting place to communicate about openings? Could this frequency and information be listed in future issues if it does in fact still exist."

"On the membership list could you list ham call signs and packet addresses? ... Also needed is how to fight expansion of one station in the public bands to 25% of available frequencies." / "Doug Smith, Tom Bryant, Greg Coniglio, Stephen West and everyone else do an amazing job! Thanks!" / "I'd like to see more on digital TV and what that will mean to us, also a few articles on basic reception techniques." / "\$24 is steep. Do we need all those winter VUD's? If going to 10 issues/year would save money, I'd be for it (replace Feb.+Mar. with a "winter" issue)." / "Would like to know if there is an amateur radio WTFDA net on the air? If not, I would be willing to help start one." / "I feel on lengthy pages of copy, pages should be broken up some, using clip art to keep info readable and make for less eye fatigue." / "At the end of the year I would like to see a balance sheet printed in the VUD for 1995 showing expenditures and receipts in detail (no "cooked" figures please) to justify recent and previous rate increases. With all the free editors contributing to the VUD I find the subscription rates too high and would like to know where all the money goes and justification for it."

"More articles such as Robert Cooper's EXCELLENT article on UHF development. Also, more antenna articles." / "I would like to see cities listed after all loggings." / "Please add more technical articles" / "More emphasis on -and use of- geographical coordinates" / "How about an article on logging procedures. I'd like to start keeping real logs, but want to do it right." / "Try to keep dues under control...rates getting too high to attract new subscriptions." / "No more dues increases for awhile guys" / "VUD would be nicer, more useful, if it came out every two weeks (or better yet, weekly) during the VHF-UHF DX season from May to early September."

"When an article is put in there's no address (one had a good idea...but (I) couldn't contact him about it or give info)." / "One 'problem' with this club is that it's hard for members to be in contact with each other; it's also hard to recruit new members since we meet only once a year. The membership list AND list of e-mail addresses MUST be published, to encourage people to get together." / "Devote more of each issue to member forums." / "Would like to see expanded Photo-News section. Would like to see updates in rules on what counts on totals." / "List club officers every issue of VUD." / "Since so many DXers are simply guessing at catches, the Statistics column doesn't mean anything anymore. In my opinion it should be terminated." / "I would like to encourage "group" DXing side meetings..., they give interesting results from more than one head." / "I don't like the current reporting format for the Western TV-DX column. I can't make sense out of it." / "What about advertising?? I would be interested in commercially advertising my firm's services to this select audience." / "In DX reports all sections by channel or frequency instead of date. Also too many footnotes. Put them in the main listings."

"Would like to see receiver reviews and more technical articles on antennas as well as receivers." / "Western TV DX has such small print... DXers should have to provide photos or tapes of real proof that they saw and heard everything they claim!" / "I enjoy the historical articles the most. I've even used them as a reference while answering student questions." / "The digest would be a bargain at \$36 per year!!!" / "I think that the TV DX columns also should include the cities of license for the TV stations, and the city of license should be counted, and not the transmitter site, since the signal actually originates at the studio location." / "Show photo copies of QSLs plus QSL information." / "Would like to see subjects on stations: hours, schedules, special FM tests for low power stations not normally on 24 hours or Monday mornings. With the WTFDA being a fairly large and spread out geographically club, I would like to see the VUD with different issues for 2 or 3 different areas. Have more than one convention or have a main one and one or two mini regional conventions."

Thanks again to all of you who took time to fill out the survey. The information you have provided is of great importance; with this we can make the VUD even better! Until next time.....73s Matt

WTEDA SPECIAL REPORT

Greg Coniglio
5100 Glenwood Drive
Williamsville, NY 14221
coniglio@geog.buffalo.edu

• 1995 FM E-skip summary •

Reports are taken from the Northern and Southern FM DX columns up to the December 95 VUD. *All-time* records refer to the period 1981-1995, as that is as far back as my records go, as I do not have any access to earlier VUDs. Special thanks to Doug Smith for assistance compiling this summary! @ = new all-time record

THE TOP 20 OPENINGS OF 1995:

DATE	TOTAL	#rep	avg	MUF	high	TV-rank
1. July 1	<u>712</u>	<u>23</u>	<u>30.96</u>	ch.7	<u>109</u>	<u>1</u>
2. July 18	241	16	15.06	117.4	51	3
3. July 19	313	17	18.41	114.0	49	2
4. July 21	239	17	14.06	107.1	28	5
5. June 6	193	15	12.87	107.7	30	13
6. July 5	137	15	9.13	106.7	28	7
7. June 14	128	12	10.67	107.3	40	10
8. July 11	120	11	10.91	107.9	33	19
9. July 25	107	12	8.92	105.3	35	9
10. August 3	99	5	19.8	107.5	58	*
11. June 7	96	7	13.71	<u>ch.12</u>	32	17
12. June 27	92	9	10.22	107.9	22	6
13. May 20	90	10	9.0	107.9	21	*
14. July 9	86	12	7.7	105.9	20	*
15. June 3	83	5	16.6	107.1	29	8
16. May 16	78	3	26.0	107.3	51	*
17. June 21	78	9	8.47	102.5	16	16
18. July 3	74	8	9.25	105.9	21	*
19. May 22	63	7	9.0	107.1	39	15
20. June 19	54	<u>10</u>	<u>5.4</u>	<u>115.2</u>	<u>16</u>	<u>4</u>

SKIP RESULTS BY MONTH:

MONTH	TOT	#days	avg	avg MUF	rank
FEBRUARY	7	4	1.75	94.0	*
APRIL	2	1	2.0	92.5	6th
MAY	406	16	25.38	101.10	10th
JUNE	891	21	42.43	105.18	12th
JULY	<u>2249@</u>	23	97.78	105.90	<u>1st</u>
AUGUST	143	5	28.6	98.74	8th
SEPT.	0	0	0	0	15th
OCTOBER	14	1	14.0	1077	*

1995 TOTAL-SEASON RANK: 8th

(rank is for seasons 1981 to 1995. No ranks compiled outside April-Sept. at this time)

1995 TOTAL: 3746 74 days avg of 50.62 loggings per opening Average MUF = 104.00
 1994 stats: 8567@ 84 days avg of 101.99@ loggings per opening Average MUF = 106.26
 1993 stats: 2688 55 days avg of 48.87 loggings per opening Average MUF = 101.43

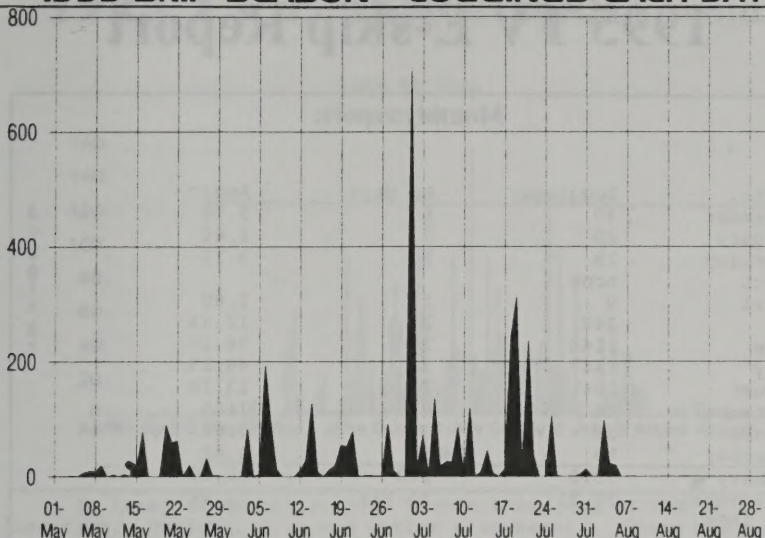
KEY (top 20 list):

TOTAL - total number of FM loggings reported on that day
 #rep - number of DXers that reported hearing FM skip that day
 avg - average number of FM loggings per DXer that day (TOTAL + #rep)
 MUF - maximum useable frequency noted on that day
 high - most FM loggings reported by an individual DXer on that day
 TV rank - the ranking of this skip day in Doug Smith's 1995 TV E-skip report.

KEY (breakdown by month):

TOT - total number of FM loggings reported during that month
 # days - number of days that month that FM loggings were reported
 avg - the average number of FM loggings per DXer per day during that month
 avg MUF - the average maximum useable frequency noted for skip openings during that month
 rank - how this month in 1995 compared to the 'all-time records' (1981-1995)

1995 SKIP SEASON - LOGGINGS EACH DAY



MAJOR OPENING (200 loggings): 4 openings (July 1st, 18th, 19th & 21st)
 OUTSANDING OPENING (400 loggings): 1 opening (July 1st)
 CLASSIC OPENING (600 loggings): 1 opening (July 1st)

BREAKDOWN BY MUF (maximum useable frequency)

MUF noted	#openings this high	percent of season	APR	MAY	JUNE	JUL	AUG	SEP
up to 108 Mhz+	4	5.40%	0	0	1	1	0	0
up to 107.9 Mhz	11	14.86%	0	2	2	5	0	0
up to 105.1 Mhz	31	41.89%	0	8	8	13	2	0
up to 100.1 Mhz	42	56.76%	0	9	14	15	3	0
up to 98.5 Mhz	46	62.16%	0	9	15	16	3	0
up to 96.1 Mhz	51	68.92%	0	10	15	19	3	0
up to 92.1 Mhz	58	78.38%	1	15	17	20	4	0
up to 88.1 Mhz	74	100.00%	1	16	21	23	5	0

Totals don't add up because of 2 openings w/unknown MUF, and Jan, Feb, and Oct. openings

A look back on previous E-skip seasons...

YEAR	TOTAL	#days	aver	Apr.	May	Jun.	Jul.	Aug.	Sep.
1995	3746	74	50.62	2	406	891	2249	143	0
1994	8567	84	101.99	227	1454	5158	1574	153	1
1993	2688	55	48.87	0	57	1762	809	46	11
1992	2674	44	48.61	0	840	1523	140	99	0
1991	4003	78	51.32	0	483	1064	1929	356	10
1990	4980	68	73.24	0	2019	1603	1258	74	13
1989	3848	74	52.00	1	581	550	2031	531	0
1988	1965	67	29.33	0	357	1186	307	33	0
1987	4922	82	60.02	59	209	2661	1686	300	0
1986	2951	73	40.42	21	802	978	469	573	18
1985	1786	64	27.91	0	170	842	614	11	66
1984	1639	87	18.84	40	550	515	332	72	11
1983	3856	76	50.74	0	373	1525	1714	112	0
1982	4333	74	57.77	20	425	2038	1508	334	0
1981	3366	59	57.05	1	424	1085	1625	228	0
TOTAL	55324	1059	52.24	369	9150	23381	18245	3065	130

Back to reality, after last year's season! This season may have seemed very bad, in comparison to the amazing totals from 1994, but it was actually better described as a mediocre season, right in the middle of the pack at 8th out of 15. It could have been much worse, as May & June were very sub-par, starting the summer out on the road to disaster. July salvaged the 1995 season, by giving us the best July skip month on record! The highlight of July was clearly the first day of that month. With 712 loggings, July 1st was more than twice as big than any other 1995 opening, and also the third biggest skip opening of all-time, behind 6/11/86, and 6/29/87. That day alone had 75% more loggings as the whole month of May, and nearly as many loggings as all of June, the usual hot skip month. **9**

1995 TV E-skip Report

Monthly report:

Month:	Loggings:	Es days:	Avg:
December	40	8	5.00
January	20	7	2.86
February	19	6	3.17
March	none		
April	9	5	1.80
May	348	28	12.43
June	1146	30	38.20
July	1447	30	48.23
August	264	20	13.20
September	14	6	2.33
October	31	8	3.88
November	53	12	4.42
Summary	3391	160	21.19
Improvement vs. 1994	50.51%	35.59%	11.02%

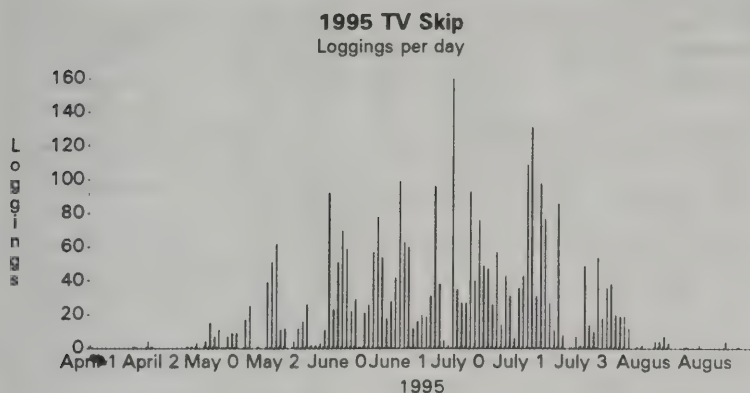
Total loggings are all IDd Es signals reported to ETV or WTV.
Es days are all days on which at least one DXer reported skip, IDd or not. Average is the average number of stations IDd (by all DXers) per day.

Best days:

	Date:	Total:	Rptrs:	MUF:	Avg:	FM Rank:
1	July 01	160	23	<u>7</u>	6.96	1
2	July 19	131	16	114	8.19	
3	July 18	109	20	117.4	5.45	2
4	June 19	99	13	115.2	7.62	19
5	July 21	98	16	101.1	6.13	3
6	June 27	96	20	88	4.80	11
7	July 05	93	18	98.7	5.17	5
8	June 03	92	20	6	4.60	14
9	July 25	86	15	6	5.73	8
10	June 14	78	18	93.9	4.33	6
11	July 22	77	18	117.3	4.28	
12	July 07	76	18	6	4.22	
13	June 06	70	22	94.9	3.18	4
14	June 20	63	12	5	5.25	20
15	May 22	62	17	6	3.65	18
16	June 21	60	14	6	4.29	16
17	June 07	59	14	<u>12</u>	4.21	10
18	June 13	57	16	5	3.56	
19	July 11	57	17	98.7	3.35	7
20	June 15	54	14	6	3.86	

Total: Count of all IDd Es loggings reported this date.
Rptrs: Count of all DXers reporting at least one Es logging this date.
Avg: Average number of loggings per DXer on this date.
MUF: Maximum usable frequency reported.
FM Rank: Ranking of this date in Greg Coniglio's FM Es report.

1995 TV E-skip Report contd.



In terms of quantity, 1995 wasn't that good of a year at my location. Obviously, it was better elsewhere! There was a 50 increase in loggings, and there were 42 more skip days than in 1994. And in 1995, there was only one skip-free month. (March) As in 1994, skip was reported every day in June - but in 1995, there were only two skip-free days in May, and only one in July. Skip was reported every day from May 20 to July 26!

High-band skip was reported on two days, June 7 and July 1. This year, two DXers were able to identify high-band skip - both saw CIPA-9 from Alberta. Otherwise, the MUFs look relatively low. My guess is this means people were abandoning their TVs when the MUF reached FM - keeping some of the better days off the TV chart.

July 1 was my best day of skip ever, and the statistics show other DXers shared in the bounty. At my location, the opening lasted nearly 12 hours. All parts of North America were in this opening at some time. Caribbean stations were also heard here in Tennessee, and I contacted a Costa Rican amateur on 50MHz.

The pest list don't show any major surprises. WTVJ-4 might have shown better if not for the call/channel swap with WCIX-6 which took place in 1995. (I think several loggings of this station were credited to WFOR-4 or WTVJ-6)

The worst pests in 1995:

WPBT-2	(126 loggings)	KTWO-2	(36)
WESH-2	(108)	WTVJ-4	(36)
WEDU-3	(86)	KTVK-3	(33)
KNAZ-2	(80)	WUND-2	(33)
KPRC-2	(60)	KIII-3	(31)
WCBD-2	(59)	WMAR-2	(30)
KENW-3	(57)	KOTA-3	(30)
KMID-2	(45)	XEFB-2	(28)
KWGN-2	(40)	XHBC-3	(27)
KGAN-2	(37)	KDKA-2	(27)

Good luck in 1996!

Doug Smith (thanks to Greg Coniglio for FM ranks & MUF)

TV News

Doug Smith
1385 Old Clarksville
Pleasant View, TN
37146-8098



Abbreviations used in this column:

ERP= Effective Radiated Power in kW

HAAT=Height Above Avg. Terrain

nc= no change

TL= Tower Location

CP= Construction Permit

Pr= Province (of Canada)

*= Non-commercial

CRTC=Canadian Radio-Television Commission

DBS= Direct Broadcast Sat.

SS:= Spanish language

LPRT=Low Power Relay Transmitter (Canada)

TBD= To Be Determined

APPLICATIONS FOR NEW TV STATIONS

St	Ch	ERP	HAAT	City
IA	44	1470	264	Sioux City
IA	44	2000	387	Sioux City
(TL: Co. Rd. K-42, 8km E of James)				
KS	36	2591	378	Hutchinson
(religious st.; TL 4th St. Extended, 1/2mi. NE of KWCH-12 tower)				
KS	36	1590	375	Hutchinson
(TL: corner of W. 125th St. N and N. 247th St. W near Patterson)				
NE	45	5000	456	Lincoln
(TL: 3.86km N of I-80, Tamora)				
NE	45	5000	598	Lincoln
(TL: 2.8km S of junction of I-80 and C&NW Railroad, 16km SW of Seward)				
NY	61	545	441	Saranac Lake
(TL: Mt. Morris, 7km SW of Tupper Lake)				
NY	61	1000	441	Saranac Lake
(TL: same as above)				
OK	19	2000	400	Muskogee
(TL: SE corner of roads N4030 and E0860 near Natura.)				
UT	24	1170	1197	Ogden
(TL: Farnsworth Peak, the Salt Lake antenna farm)				

Applications for 7 new religious TV stations in Canada have been denied. The cities involved were Edmonton, Winnipeg, Vancouver, Saskatoon, and Steinbach, Manitoba.

APPLICATIONS TO CHANGE EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
BC	13	.016	nc	CKHS	Burns Lake
(15.8 watts; was 10 watts)					
BC	13	.300	nc	CBCB-TV-2	Ft. Fraser
(was 39.8 watts on ch. 6)					
ID	9	161	805	KHDT	Caldwell
(was 155kW/821m)					
TX	36	5000	nc	KXAN	Austin
(was 2000kW)					
VI	8	nc	292	WSVI	St. Croix
(was 347m. Seems to be a city-of-license change too; past records show this station licensed to Christiansted.)					

CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
BC	8	.01	nc	CH2450	Burton
(was 5 watts on channel 12. Relays CHAN-8 Vancouver.)					
FL	8	5.83	33	WWFD	Key West
(TL: 24°34'19"N/81°44'25"W) (7 McDonald Ave., Key West) (was 316kW/144m from a site about 15km NNE)					
LA	45	2982	507	KSHV	Shreveport
(TL: 32°40'00"N/93°56'02"W) (St. John Rd., Mooringsport, in the Shreveport tower farm NW of the city) (was 1660kW/159m)					
QU	7	3.2	nc	CBMYT	Magdalen Is.
QU	12	3.9	nc	CBIMT	Magdalen Is.
(were 2.9 and 2.8kW respectively)					
SD	11	25	192	KELO	Sioux Falls
(TL: 43°30'11"N/96°34'38"W) (but see Other Stuff)					

CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City
FL	53	1343	282	WGFL	High Springs
(TL: 29°37'48"N/82°34'24"W) (3.7km SE of Newberry) (was 1480kW/262m)					

CALL LETTER CHANGES

Was	Now	City, state
WEVU-26	WZVN-26	Naples, FL
W25BM	WYGN-LP	Berrien Spns., MI
WT2A-62	WRNN-62	Kingston, NY

WZVN stands for "Seven", the station's cable dial position. This station only mentions channel 7 on the air.

NETWORK CHANGES

Station	Was	Now
WNAL-44 Gadsden	Fox	ABC/Wb
WAAY-31 Huntsville	ABC	ABC/Upn
WPMI-15 Mobile	Fox	NBC
WCFT-33 Tuscaloosa	CBS	ABC/Upn
K32ED Ft. Smith	new	Upn
K36EA Fayetteville	new	Upn
KSTV-57 Ventura	Gala	Wb
WMBB-13 Panama City	ABC	ABC/Upn
WXTX-54 Columbus, GA	Fox	Fox/Upn
W58BT South Bend	ABC	ABC/Upn
W69BT South Bend	ABC	ABC/Upn
K69HD Church Pt LA	new	Upn/Wb
K46DG Lafayette LA	new	Upn/Wb
K62DW Lafayette LA	new	Upn/Wb
K55HA New Iberia	new	Upn/Wb
KASY-50 Albuquerque	new	Upn/Wb
KRQE-13 Albuquerque	CBS/Upn	CBS
KRXI-11 Reno	new	Fox
KAME-21 Reno	Fox/Upn	Upn
WICZ-40 Binghamton	NBC	Fox
WLYH-15 Lancaster PA	CBS	Upn
KFNB-20 Casper	ABC/Fox	add Upn
KFNR-11 Rawlins	ABC/Fox	add Upn
KFNE-10 Riverton	ABC/Fox	add Upn

The WICZ change is effective April 4. WNAL and WCFT change in early 1996 when WBRC-6 goes Fox. WCFT has already added Upn, and WNAL has already added Wb. In New Mexico, the KRQE change only affects that station. Its satellites KREZ-6 and KBIM-10 continue to carry Upn.

K32ED and K36EA simulcast, and call themselves "KFDE". And all four Louisiana LPTVs also simulcast; their "fake calls" are KLAF.

The Toledo network swap has now happened - WTVG-13 from NBC to ABC, WNW-24 from ABC to NBC. In Reno, KRXI-11 is not yet on the air but is expected to sign on in January, at which time these network changes take place. Greg's friend Chip says KRXI and KAME have some kind of LMA arrangement with KTVU-2 Oakland/San Francisco.

NEW STATIONS ON THE AIR

Albuquerque, NM: KASY-50z:

1420kW/1275m; 35°12'40"/106°26'57"
Sandia Crest, the Albuquerque antenna farm. LMA'd to KRQE-13; Upn and WB affiliate. Reported by a friend of Greg Coniglio's in Texas.

Nashville, TN: WNAB-58z:

3980kW/240m; 35°55'20"/86°42'46"
about midway between Nolensville and Clovercroft in northeast Williamson Co., about 20km S of downtown Nashville. WB affiliate; signed on November 11. Also airs lots of MOR Music Video.

CHANGES ON THE AIR

Ch Call	Location	VUD issue
7 WBBJ	Jackson, TN	?
9 KIXE	Redding, CA	?
13 WPRV	Fajardo, PR	?
23 KBSI	C. Girardeau MO	2/95
44 WGVP	Valdosta, GA	8/95
55 WBNX	Akron, OH	?

OTHER STUFF

It doesn't say so, but I'm almost certain the power reduction for KELO-11 Sioux Falls is actually for an auxiliary backup transmitter.

The WTZA=>WRNN call change accompanies a programming change. WRNN stands for "Regional News Network"; the station airs an all-news format similar to KNWS-51 in Houston. Speaking of KNWS-51.. I spent a night in Houston on vacation in mid-December and had an opportunity to watch this unique station. As advertised, KNWS is a mix of All News Channel, local news, and the occasional infomercial.

And while we're on the subject of Texas... First, I also spent a night in San Antonio and saw the all-traffic LPTV on channel 54 there. It looks like their cameras don't handle low light very well - at night, the "TransGuide(tm) LPTV Test" ID was over a black screen. Daytime, the camera shots were pretty good - to the point they delayed my departure a half-hour to avoid some problems!

Secondly.. I think I've seen my first pirate TV station. Spent a night on South Padre Island. (which, incidentally, is a beautiful place I'll definitely be visiting again!) While there, noted a pretty good signal with ESPN on channel 12. Normally, I'd consider this a cable leak. But no other VHF signals (not even locals XHRI-2/KGBT-4/KRGV-5/XHAB-7/XERV-9/XHER-11) could sync-lock the TV, and there weren't even sync bars on channels 3/6/8/10/13. So it appears that for some reason, someone is relaying ESPN there on channel 12. No local ads or IDs were seen. There is no license or CP for channel 12 anywhere near South Padre.

The WLYH network change ends an unusual situation, dating to the early days of UHF and created by the poor coverage of early UHF stations. For many years, the Harrisburg-Lancaster-York market had three CBS

(Other Stuff, contd.)

affiliates - WHP-21, WLYH-15, and WSBA-43. For much of this period, because of low power and "wimpy" UHF tuners, the three stations had no overlaps in coverage. But TVs improved, and all three stations improved their coverage. In the mid-1980's, WSBA "blinked" first and became Fox affiliate WPMT ("Pennsylvania's Movie Time"). Now, WLYH has been LMAd to WHP and switched to UPN, ending the multiple-affiliates situation.

FORUM

Karl Zuk, Croton-on-Hudson NY:

Karl has some LPTV notes from his location north of New York City.. Specifically:

W17BM NYC - now on air with The Box until 10:30am weekdays, then "KTV" Korean Television. Transmitter is on the Empire State Building.

W23BA East Orange, NJ - The Box 24 hours.

WXNY-LP-39 Long Island City - has just moved from 3rd Ave. and 91st St. on Manhattan to the Citicorp Building in Long Island City. This was formerly W38AM. Programming is ethnic and tarot-card readers, and is simulcast on W54AY Brownsville (Brooklyn), W44AI Hicksville (Long Island), and W38CH Amityville.

W64AA NYC - now on as a WPIX-11 translator.

W64AA and W17BM have interesting ancestries. Quoting Karl, "About 20 years ago every VHF and UHF station in Manhattan had a UHF twin. The idea was to beat the ghosting created by the new World Trade Center. All were eventually turned off - but the licenses were still held. Ch. 11's original translator was on channel 71 (maybe) and had to abandon it when the band condensed down to Ch. 69 - they were then assigned Ch. 17 - directional north. They have just given up Ch. 17 so the Korean W17BM could happen, and they have transferred the ownership of Ch. 64 from WNYW to WPIX."

I remember reading about these translators in a 1973 copy of *Broadcasting Magazine*. My current database lists four LPTV / translators in NYC, all four of which I'm pretty sure date back to the early 1970s. I list W17BM and a W73AP as owned by WPIX-11; W64AA as owned by WNYW-5 (and now transferred to WPIX-

11); and a W53AA which carries Asian programming. If my memory serves me properly, the Asian group bought W53AA from WCBS-2.

Karl also has information about new all-news station WRNN-62 Kingston. The slogan is "Regional News Network", and programming is half-hour blocks of either local news or infomercials. (again, very similar to KNWS-51's fare) There's some half-hour local talk programs during the evenings, and Rush Limbaugh's TV show is carried weeknights at 9:30.

Dennis Park Smith, Santa Barbara CA:

Dennis asks an interesting question. "As for its progression of call letters, I wonder what will happen when the FCC gets to 'K132Z'? What then, after that? Maybe they will fill in expired / deleted calls; there are plenty of those."

Good question; I'm not aware of any FCC policy on that. Dennis is right, there are plenty of expired & deleted LPTV/translator calls.

William Draeb, Kewaunee WI:

Bill notes one of the advantages of the Fox Surprise.. WLUK-11 now has a regular dark period. He hasn't noted what time they sign off, but they return with a test pattern at 04:50, then with CNN Headline News at 05:00. WFRV-5 has followed suit, signing off most nights but airing test patterns other nights. WBAY-2 still operates all night, except on weekends.

Bill also inquires about new CPs for channel 4 at Crandon and 34 at Eagle River. I've nothing beyond what you read in the column. He wonders if the channel 4 site might be on Sugarbush Hill, the second highest point in Wisconsin. (I thought Rib Mountain was the second highest point!) I don't know. Bill also isn't yet seeing the wireless-cable systems from Traverse City, Petoskey, or Sault Ste. Marie, Michigan.

73

Doug Smith (W9WI/4)
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
Internet 72777.3143@compuserve.com

FM NEWS

January 1996

editor- GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIMASVILLE, NEW YORK 14221
e-mail: coniglio@geog.buffalo.edu
TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication:
M Street Journal - 304 Park Ave. So. 7th Floor - New York, NY 10010
PHONE (212) 473-4668, FAX (212) 473-4626

KEY: &: satellite programming AF: new freq. allocation accepted for filing for a new FM license CC: call change/new calls assigned CL: city of license change granted CO: new xmtr co-ordinates CX: a CP has expired, and is cancelled C1,C2, etc: change in class status DA: directional antenna DE: calls deleted, license returned to FCC FC: station format change	GA: granted amendment to table of FM allocations GE: station was granted extension of a CP GX: granted replacement of expired CP LC: filed for license to cover (for new stn.) MC: multiple-city legal ID NC: no change yet, on a reported pending grant/change. ND: non-directional NO: station is not on the air NS: a new station granted a license OSA: one-step application NW: new station signs on the air PA: proposed amendment to change table of allocations PC: a power change (increase)	PG: a power change (decrease) PG+: power change granted (increase) PG-: power change granted (decrease) QC: frequency change for this station QG: frequency change granted RA: station returns to the air RE: station requests extension of a CP RX: station requests re-instatement of an expired CP SG: slogan change or update SI: station is silent XA: dismissed amendment to the table of FM allocations XC: station changes xmtr site XG: station granted a transmitter (xmtr) site change
---	---	---



UNITED STATES

ALABAMA:

Brantley: WAOQ 100.3 CC (NS)
Columbia: *NS 92.1 2550w, 499'
Cordova: WFFN 95.3 PC> 5 kW, 354 ft.
DA, XC: 33-46-11 / 87-12-06
Cullman: WKUL 92.1 PC> 6 kW, 328 ft
XC: 34-11-41 / 86-43-52
Meridianville: WXQW 94.1 CC (ex WDJU)
Orange Bch: WXA 105.7 NO-GE (4th)
Sylacauga: WAWV 98.3 PC< 5 kW, 266 ft.
Tuskegee: WACQ 99.9 adds SMN Oldies (&)
Warrior: WLBI 98.7 FC to smooth jazz "Lite 98"

ALASKA:

Barrow: KBRW 91.9 890w, 72 ft., CC (NS)

ARIZONA:

Clifton: KWRQ 102.1 FC to SMN Classic Rock (&)
Nogales: KNOG 91.1 NW, spanish religion
Parker: KVEZ 99.3 NC to 10 kW, 941 ft, RE
Window Rock: KWRK 96.1 NO-GE (5th)

ARKANSAS:

Bentonville: *NS 88.1 AF (Amer. Family Assoc)
Cabot: KLPQ 102.5 NW, One-on-One sports in MONO
Clarksville: KLYR 92.7 noted in MONO (country)
Clarksville: KXIO 106.9 noted in MONO (hot adult AC)
Dumas: KXFE 106.9 also noted in MONO
Fayetteville: KBHG 89.3 NO-CX-DE
Hot Springs: KSBC 90.1 noted with MONO (religion)
Humnoke: KARN 101.7 NW, talk // KARN 920, and MONO
Jonesboro: KAOG 90.5 CC (NS)
Little Rock: KSYG 103.7 talk, but noted in stereo
Lonoke: KMZX 106.3 noted with urban AC & "Touch"
Marion: KFTH 107.1 // KDRE 101.1 when not // WDRE
Mufreesboro: KMTB 99.5 SG "B99.5" (country format)
Newport: KOKR 96.7 NC to 35 kW, 518', GE (3rd)
N. Little Rock: KDRE 101.1 // KFTH 107.1 when not // WDRE
Pine Bluff: KANX 91.1 CC (NS)
Stamps: KZHE 100.5 adds Jones CD Country (&)
Van Buren: KLSZ 102.7 noted with 800 khz wide signal

that was really splattering!

CALIFORNIA:

Arnold: KBYN 95.9 NW, soft AC, talk // KKBN 93.5
Atwater: KVRQ 92.5 LC
Beaumont: KAEH 100.9 NO-GE
Garberville: KLVG 103.7 NW, K-Love Contemp Christian (&)
Lompoc: KAOH 104.9 CC (NS)
Merced: KFIE 106.3 reported SI
Paso Robles: KNCR 93.1 NW, soft AC
St. Helena: KVVN 99.3 NC to 6 kW, 239 ft. GE
Ukiah: KUKI 103.3 NC to 2700w, 1837', RE (3rd)

COLORADO:

Castle Rock: KNRX 92.1 PC> 32 kW, 600 ft, class C2
XC: 39-25-15 / 104-39-15
Cortez: K249DE 97.7 NS-250w: KISZ 97.9 Cortez

CONNECTICUT:

Guilford: WGRS 91.5 PG> 3.1 kW
Pawcatuck: WKCD 107.7 NW, smooth jazz (&)

FLORIDA:

Daytona Bch: WJHM 101.9 OSA for class C, 56 kW, 1854 ft
XC: 28-55-16 / 81-19-09

Fort Pierce: WOVV 95.5 FC to country
Haines City: WLTV 90.3 PC> 1.2 kW, 308 ft.
Homestead: *NS 88.1 163, 423 ft. (FIU)
Inglis: WAVQ 104.3 NO-GE
Inverness: WJUF 90.1 LC
Jacksonville: WIVY 102.9 runs classic hits 7pm-midnight
Ocala: W257BD 99.3 NS-55w: WYFB 90.5 Gainesville
White City: WFLM 104.7 FC to urban (Ft. Pierce)

GEORGIA:

Brunswick: *NS 90.7 AF
Brunswick: WWIO 89.1 PC< 5.5 kW, 154 ft.
XC: 31-11-20 / 81-29-05
Chauncey: WQIL 101.3 LC
Buford: WLKQ 102.3 PC> 4 kW, DA
Gray: WWIQ 96.7 QC from 96.5, now C3, 7600w
587', DA, XC: 32-58-31 / 83-47-59
Lumber City: *NS 88.7 50 kW, 150 ft.

HAWAII:

Volcano: KKO 107.7 PG> 18 kW, 216 ft, C3
XC: 19-30-5 / 155-10-01

ILLINOIS:

Chicago: WLS 94.7 FC, drops talk for Christmas music to go country in January.
 Galva: WHHK102.5 NW, SMN adult contemp. (&)
 Lansing: WEJM106.3 to add ABC - Banks show (Doug Banks pm-drive show, in July)
 Maroa: WDKR107.3 NO-GE
 Nashville: WNSR104.7 noted in MONO
 Neoga: WWGO98.9 CC (NS)
 Oak Park: WBXM102.7 adds Tom Joyner's show (taking it from cross town WGCI)
 Pickneyville: WALL 104.3 CC (NS)
 St. Joseph: WGNJ 89.3 NO-RE
 Virginia: WVIL 101.3 CC (ex WAOG)

INDIANA:

Anderson: WAPC 89.5 CC (NS)
 Attica: WGBD 95.7 PC< 3.1 kW, 433 ft
 XC: 40-23-02 / 87-07-55
 Hagerstown: *NS 91.1 300w(h), 8000w(h), Ball State
 Muncie: WERK104.9 FC to country
 New Albany: WAJE94.7 NW, Christmas music (Louisville)
 Walton: WFRR 93.7 LC

IOWA:

Algona: KLGA 92.7 PC> 3.5 kW, class C3
 Belle Plaine: KXPW95.5 NO-RE (3rd)
 Muscatine: *NS 93.1 4.4 kW, 384 ft.
 Perry: *NS 91.7 AF (Amer. Family Assoc)

KANSAS:

Fredonia: KJGM 104.1 CC (NS)
 Olathe: KCCV 92.3 PC> 8.3 kW

KENTUCKY:

Campton: *** 103.7 PA for class A
 Lebanon: WLSK 100.9 NC to 25 kW, 289 ft, RE
 Lexington: WJGG104.5 NW, Christmas music
 Marion: WMJL 102.7 PC> 6 kW
 Nicholasville: WLTO102.5 CC (ex WLRO)
 Valley Station: WXNU105.9 CC (ex WQNF), "New Rock"
 Whitesburg: WMMT88.7 PC> 15 kW(v), 1kW(h), 1469', DA

LOUISIANA:

Delhi: KGGM 93.5 station was noted in MONO
 Oak Grove: KWCL 96.7 PC> 6.9 kW, 328 ft, C3
 XC: 32-51-32 / 91-21-22

W. Monroe: K235AF94.9 on the air: WAFR 88.3 Tupelo, MS

MAINE:

Bangor: WWBX 97.1 CC (ex WYOU)
 Houlton: WHOU100.1 reported SI
 Machias: *** 101.1 PA for class B

MARYLAND:

Frederick: W220BH91.9 NS-10w: WCRH 90.5 Williamsport

MASSACHUSETTS:

Turners Falls: WPVQ93.9 PC< 2.5 kW, 358 ft.

MICHIGAN:

Alma: WQBX104.9 CC(ex WFYC), FC to SMN hot AC &
 Bridgman: WYTZ 97.5 CC (ex WCSE)
 Hartford: WZTY 103.7 NW, country // WYTZ 97.5 MI
 Lake City: WNH8104.3 CC (NS)
 Saginaw: *NS 88.3 AF
 Tawas City: WAOU103.3 CC (NS)

MINNESOTA:

Atwater: KYRS 94.1 FC to Branson country (&)
 Babbitt: KAOD 106.7 CC (NS)
 Peterson: K223AH 92.5 NS-119w(v): KFSI 92.9 Rochester
 Roseau: KCAJ 102.1 CC (ex KANT)
 Two Harbors: WRSR104.3 LC

MISSISSIPPI:

Boonville: WBIP 99.3 adds Reach southern Gospel (&)
 Calhoun City: *** 102.3 PA to delete class A here
 Clarksdale: WKDJ 96.5 adds Moby talk

Mississippi:

Columbus: WACR103.9 NC to 50 kW, 492 ft, RE (6th)
 Flora: WXFJ 97.3 NO-RE (4th)
 Gluckstadt: WLIN 101.7 PG> 50 kW, 456 ft, DA, C2
 Jackson: WMPN 91.3 NC to 1099 ft, RE (2nd)
 Saucier: WAQY 91.7 CC (NS)
 Tupelo: WAFR 88.3 PG> 60 kW, C1

MISSOURI:

Ava: KKOZ 92.3 GA: to 92.1 class A
 Branson: KRZK 106.3 GA: to class C2 from C3
 Brookline: *** 102.1 GA to add class A
 Columbia: KCMQ 96.7 GA: from class C3 to C1
 Cuba: *** 107.3 GA for class C3
 Dixon: *** 92.1 GA for class A
 Kirsville: KTUF 93.7 FC to country
 Marshall: KMVC 91.7 PG>100w(v), 63 ft, class A
 XC: 39-06-31 / 93-11-29

Missoula: KGGL 93.3 CC (ex KDXT), "Eagle"
 Mtn Grove: KCMG106.5 FC to country, GA: to 92.5 - A
 Potosi: KHCR 97.7 NO-GX (2nd)
 St. Louis: KSLH 91.5 noted in MONO with jazz

MONTANA:

Butte: *NS 91.3 880w, 1893 ft. (U of Mont.)
 Red Lodge: KMXE 99.3 NC to 45 kW, 2496 ft, GE (3rd)

NEBRASKA:

Gordon: KSDZ 95.5 PC> 60 kW, 313 ft, C1

NEVADA:

Las Vegas: KXPT 97.1 PG> 24 kW

NEW HAMPSHIRE:

Bedford: WAEF 96.5 NO-GE, PG< 680w, 971 ft, DA
 XC: 42-58-58 / 71-35-20

Farmington: WRHF106.5 NO-CX-DE
 Hampton: WSTG102.1 CC(ex WZEA), FC to Christmasmx

NEW MEXICO:

Clovis: *NS 91.1 AF (Amer. Family Assoc)
 Clovis: KSMX 107.5 SG "Retro 107.5"
 Eunice: KYRK 100.9 FC to Christian country
 Hobbs: KOKN 102.9 reported SI
 Las Cruces: KXDA 103.1 CC (ex KASK)
 Los Alamos: KEFE 107.5 NO-RE (2nd)
 Raton: *** 96.5 GA for class A

NEW YORK:

Brighton: *NS 94.1 6 kW, 318 ft (Rochester)
 Cape Vincent: WKGG102.7 RA with oldies // WNCQ 1410 (&)
 Chenango Bridge: WANG 104.1 CC (NS)
 Clifton Park: WWCP 96.7 FC to oldies (50s/60s) (Albany)
 Jewett: WQMR 97.9 NO-RE (2nd)
 Mexico: WUPN103.9 NO-RE
 Montauk: WVZC 94.9 NO-GE (3rd)
 Noyock: WSUF 89.9 NO-RX (2nd)
 Nyack: WNYK 88.7 PG< 2w, 455 ft.
 XC: 41-04-56 / 73-55-50

Rouses Pt: *NS 88.7 AF
 Syracuse: WJPZ 89.1 FC to CHR-new rock
 Tupper Lake: WRGR102.3 FC to hot AC "HitZ-FM"

NORTH CAROLINA:

Burlington: WPCM101.1 gets new DA
 Burlington: WZZU 93.9 XG: 35-52-15 / 79-09-40
 Carolina Bch: WLGX106.7 LC
 Hickory: WFHE 90.3 NW, jazz-info
 // WFAE 90.7 Charlotte
 High Point: WHSL100.3 CC (ex WFXF) "Whistle"
 High Point: WMAG 99.5 FC to soft AC
 Southern Pines: WIOZ 102.5 NW, CC (ex WAHP), adult stds.
 Southern Pines: WKQB 106.9 CC (ex WIOZ), FC to classic hits
 Wadesboro: WRPL 93.5 NW, BBN religion
 Washington: WDLX93.3 FC to classic hits "Arrow"
 Winston-Salem: WXR191.3 NO-GE (3rd)

NORTH DAKOTA:

Cavalier: KAOC 105.1 CC (NS)
Devils Lake: KAQB 96.7 CC (NS)

OHIO:

Belpre: WNUS 107.1 NC to 4.7 kW, 351 ft, RX (5th)
Bryan: WAOX 90.9 CC (NS)
Richwood: WZJZ 104.3 CC (NS)

OKLAHOMA:

Enid: K208BV89.5 on: KMSI 88.1 Moore
Langton: KALU 89.3 QC from 90.7, now class A, 150w
200ft, XC: 33-46-11 / 87-12-06

Lawton: K242AA96.3 on: KMSI 88.1 Moore
McAlester: K216BT91.1 on: KMSI 88.1 Moore
Miami: K220CZ 91.9 on: KMSI 88.1 Moore
Norman: *NS 89.3 AF
Nowata: KQSY 101.5 PG> 6.2 kW, 656 ft, C3,
CL: Collinsville, OK

Ponca City: K210BB89.9 on: KMSI 88.1 Moore
Poleau: KZBB 97.9 SG "Zebra"
Roland: KYUC 92.3 LC
Shawnee: KABH 95.1 NO-CX-DE
Shawnee: K272BX102.3 on: KMSI 88.1 Moore
Stillwater: KSPI 93.7 SG "The Spy"
Stillwater: K216BS91.1 on: KMSI 88.1 Moore
Sulphur: *NS 89.3 AF
Tishomingo: KTSH 106.3 NO-RE (7th)
Weathersfield: K206BB 89.1 on: KMSI 88.1 Moore
Wilburton: KZUD 103.7 NO-RX

OREGON:

Cottage Grove: KEUG 105.5 CC (NS)
La Grande: KWRL 100.1 NC to 99.1, 91.4 kW, CX
Newport: KCLM 92.7 NO-CX-DE

PENNSYLVANIA:

Galeton: WAIU 100.7 NO-RE
Jersey Shore: WVRT97.7 CC (ex WWWD), FC to hot ac
"Variety" (Williamsport)
Laporte: *NS 103.9 6 kW, 276 ft.
Lewisburg: WGRG 91.3 adds MGS cont. Christian (&)
Lewisburg: WCXR 96.3 CC (ex WUNS) FC to rock
// WZXR 99.3 Williamsport
Mill Hall: *NS 96.7 970w, 581 ft.
New Castle: WVMN 90.1 NW, Moody Bible religion
Palmyra: WNCE 92.1 CC (ex WCTX)
Pittsburgh: WNRQ104.7 PG> 20 kW, 781 ft, DA
XG: 40-28-20 / 79-59-41

Salladasburg: WRAG95.5 CC (ex WFRY)
Tioga: WPHD 94.7 GA: from class A to B1
SOUTHCAROLINA:
Clemson: WCCP104.9 PC> 6 kW
Hartsville: WHSC 96.5 FC to Jones oldies (&) (Florence)
Johnsonville: WPD105.1 adds 1 On 1 Sports
Kingstree: WAOT 94.1 CC (NS)
Moncks Corner: WNST 105.3 CC (ex WJYQ)

SOUTH DAKOTA:

Little Eagle: KLND 89.5 NO-RE (2nd)
Sioux Falls: KRSD 88.1 allowed to operate as a satellite stn.
TENNESSEE:
Jackson: W201AP88.1 on: WAFR 88.3 Tupelo, MS
Jonesville: *** 99.1 GA for class A
Oliver Sps: WXVO 98.7 adds WW1 Hot Country (&)
Spencer: WWEE107.3 adds SMN AC (&)
Waynesboro: WFRQ94.9 FC to soft AC "River" (&)

TEXAS:

Ablene: *NS 91.3 AF (Amer. Family Assoc.)
Bay City: KXGJ 101.7 NW, country "Pure Country"
Big Sandy: KBAU 90.7 NW, info/alternative/classical
Big Spring: KBTS 94.3 NW, Tejano "La Signal"
Bishop: KFLZ 107.1 noted with MONO
Bowie: KRJT 100.7 NC to 6250w, 435 ft, RE (2nd)

Texas:

Carthage: KTUX 98.9 SG "The Rebel Rocker 99X"
Center: KDET 102.3 adds SMN country
Dimmitt: KLVK 100.5 CC (NS)
El Paso: KSII 93.1 CC (ex KAMZ), "Kiss"
Fl. Worth: KEGE 97.1 NC to 98.6 kW, 1673', RE (2nd)
Franklin: KLTR 101.9 FC-WW1/CNN Headline News (&)
Giddings: KROX 101.5 SG "The X"
Goliad: KHMC 95.9 NO-GE (2nd)
Greenville: KIKT 93.5 PC> 8299w, class C3
Ingram: *NS 90.1 AF (TX Public Radio)
Jasper: KQYX102.3 PG> 26 kW, 440 ft, C2
XG: 31-03-36 / 93-57-42 (reinstated from 1990)
Killeen: KAJZ 93.3 CC (ex KHHT), FC to smooth jazz
Mercedes: KTJN 106.3 SG "Tejano 106"
Midland: KQPR 95.1 NW, new rock "New Rock 95X"
Mission: KTJX 105.5 //KTJN 106.3 Mercedes, TX
New Boston: KZZB103.5 PG> 50 kW, 492 ft, C2
XG: 33-24-54 / 94-38-1C
Portland: KRAD 105.5 SG "K-Rad" (hard rock)
San Angelo: KWFR101.9 CC (ex KKLK)
San Angelo: KCRN 93.9 careful! heard IDing as "KCBI!"
San Angelo: KYZZ100.1 noted in MONO
San Antonio: KROM92.9 SG "La Romantica"
San Augustine: KCOT 92.5 adds SMN country
S. Padre Is: KJIB 92.7 NO-RE (7th)

WASHINGTON:

Spokane: KAEP 105.7 CC (ex KEZE)
Yakima: KZTA 99.3 NC to 99.7, 7620w, GE (2nd)
584 ft, XG: 46-31-53 / 120-256-58

WEST VIRGINIA:

Petersburg: *NS 89.5 10 kW(v), 1066ft, WV Edu.

WISCONSIN:

Eau Claire: WUEC 89.7 NC to 5200w, RE
Lancaster: WJTY 88.1 PG> 50 kW(v), 7 kW(h)
Madison: WERN 88.7 PG< 21.5 kW, 1264 ft
DA, XG: 43-03-21 / 89-32-06
Oshkosh: WVB0103.9 PC> 25 kW, class C3, DA
CL: Winneconna, WI

Sturgeon Bay: WSRG97.7 CC (ex WFNL), FC to a/c (&)

WYOMING:

Jackson: *** 93.3 PA for class C

U.S. TERRITORIES:
GUAM:

Agana: *** 102.9 GA for class C

PUERTO RICO:

Culebra: *NS 92.9 30 kW(v), 577 ft.
Mayaguez: WIOB 97.5 PC> 50 kW

VIRGIN ISLANDS:
BRITISH COLUMBIA:

Kelowna: CKBL 99.9 NW, country "The Bullet"
Victoria: CIOC 96.5 CC (ex CFMS) FC to regular a/c
SG "The Ocean"

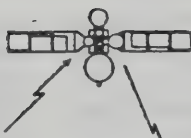
NUEVO LAREDO:

Anahuac: XHAHU103.3 noted with all talk, and stereo

More to come next month! Happy New Year!

CFMS
98.5
EASY
FM
RADIO

SATELLITE NEWS



George W. Jensen
4604 Anntana Avenue
Baltimore MD 21206-4220

Things are either feast or famine when it comes to satellite news. I haven't forgotten about getting some info here on sub-carriers, but time has been very limited lately and this effort will take many hours to compile. In the meantime, a few notes on new services and the current menu of services on the newly activated Telstar 402R

XPDR -
2 - TVN Promo Channel
4 - Shop-At-Home
7 - Cable Video Store
10 - Cupid VC2
11 - Outdoor Channel
12 - XXXotica VC2
15 - Spice VC2
16 - Adam and Eve VC2
18 - RTP - Lisbon, Portugal
19 - Channel America
20 - Occ. Book TV
24 - Pandamerica Shopping Channel



My sincerest appologies to Canadian readers for referring to the Anik birds as the pron birds. It is sad to note that many of the services on the new Telstar 402R seem to be going that route. On the Ku side of Telstar 402 - there is an ID channel IDing as T-402R, 9A Vertical - in black and white - noted using a Uniden receiver at 17 H.

By the time you read this - hopefully, the new Galaxy 3R will be in orbit at 95W and testing.

Orion at 37.5W is lighting up and currently is carrying Asia Net on a horizontal transponder in PAL format.

Look for occasional Russian services on Gorizont 26 at 11W XPDR 6 in SECAM color format with a fairly decent signal.

Last column I mentioned birth (Telstar 402) and death (Galaxy 3) and this month Resurrection with the reactivation of BrazilSat at about 63W in inclined orbit and rebeamed toward the U.S. ID channel in NTSC color format had been noted on XPDRs 4 and 8 with occasional feeds from The Dominican republic noted on XPDR 4.

Lastly and by no means least follows a list of new proposed services. This was reported in a recent issue of Broadcasting and other sources.

Action America - 1996
Air and Space Network - 1996
American Political Channel - 1996
America's Health Network - 1996
America west Network - 1996
Applause - 1996
Arts and Antiques - 1996
ATN - Automotive Television Network - 1996
The Auto Channel - 1996



BBC World Channel Network -
 The Benefit Network - 1997
 BET On Jazz - The Cable Jazz Channel
 Booknet - 1996
 Career and Education Opportunity Network - 1996
 Catalogue TV - 1996
 CEO Channel - 1996
 Channel 500 - 1996
 Chop TV - 1996
 Classic Music Channel - 1996
 CNN Financial news - imminent
 c/net - The Computer Network - ?
 Collectors Channel - 1996
 CTN - Conservative Television Network - 1996
 The Enrichment Channel - ?
 Entertainment Prosperity Insight Channel - - 1996
 fashion and Style Network - 1996
 Fitness Interactive - 1996
 GET - Gay Entertainment Television - 1996
 Gospel Network - 1996
 Health and Fitness Network - ?
 The Health Channel - ?
 The Health Network - 1996
 Hip-Hop Television - 1996
 Hobby Craft Network - 1996
 Jackpot Channel - 1996
 The Language Channel - 1996
 The MBC Movie Network - ?
 The Military Channel - 1996
 TMZ - The Music Zone - ?
 New Science Network - 1997
 News World International - ?
 Parenting Satellite Television Network - 1996
 The Parents Channel - 1996
 Penthouse Pay-Per-View - ?
 Planet Central TV Network - 1996
 PHN - Premier Horse Network - 1996
 Prime Life Network - 1996
 Recovery Network - The Wellness Channel - 1996
 The Seminar Channel - 1996
 Sewing and Needle Arts Network - ?
 Share TV - 1996
 The Singles Network - 1996
 The Soap Channel - 1996
 Speedvision Network - 1996
 The Success Channel - 1996
 Sundance Film Channel - 1996
 Talk TV Network - 1997
 TCI/Microsoft Channel - 1996
 The Technology Channel - 1996
 TSM - Television Shopping Mall - 1996
 TRAX - 1996
 TRIO - Family Oriented Channel - ?
 Wingspan, The Aviation Channel - 1996
 Women's Sports and Entertainment Network -
 World African Network - 1996
 World Jazz - ?
 WIN - World Interactive Network - 1996
 Many of these channels will obviously be in digital
 compressed video and not immediately available to the
 home satellite viewer. Many will never see the light of day
 Have a great NEW YEAR 1996 and see you in 30



Orange

STATISTICS

Featuring FM/TV Scoreboards, All Time Distance Records,
States Stats and Personal Best Statistics of FM/TV DXers.
(Column issued bi-monthly. 1996 Deadlines:
Feb 5th, Apr 5th, Jun 5th, Aug 5th, Oct 5th & Dec 5th)

Fred Nordquist
7945 Boxford Rd
Clay, NY 13041
E-Mail:

fnordqui@erc.cal.syr.edu

UPDATED 12/12/95			TV SCOREBOARD							DEADLINE: THE 5TH						
DXER NAME	DXER LOCATION		TOTAL	UHF	LPTV	ES	MS	AU	USA	CN	MX	PO	TPU	YB	AS	OF:
KADET	JEFF	IL MACOMB	1433	947	441	245	3	0	45+	7	11	7	71	83	05/28/95	
SEYBOLD	BOB	NY DUNKIRK	1293	746	219	217	30	6	49+	7	1	5	63	50	01/20/95	
SIEGEL	GARY	OH TOLEDO	632	299	45	147	0	0	39+	6	2	2	50	70	11/12/94	
FERNANDO	GARCIA	NL CD. GUADALUPE	560	356	117	96	0	0	30	0	7	5	42	91	03/19/95	
NIEMAN	DAVID	NY AKRON	556	366	77	90	5	0	37+	7	0	0	45	84	03/01/94	
BARSTOW	ROY	MA TEATICKET	515	317	90	99	5	1	36+	7	0	1	45	71	10/24/95	
NIEMAN	DAVID	NY ROCK CITY	425	309	69	36	0	0	32+	5	0	0	38	91	10/02/95	
SITTEL	MATT	FL TALLAHASSEE	375	206	24	97	0	0	28	2	6	4	40	92	07/04/94	
SHAFTAN	RICK	NJ SPARTA	374	189	26	102	0	0	36+	5	0	1	43	81	09/06/95	
NORDQUIST	FRED	NY CLAY	370	229	39	72	3	0	35+	6	0	1	43	69	11/06/95	
HEPBURN	WILLIAM	ON BRAMPTON	358	242	38	63	1	0	30+	5	0	1	37	85	06/30/94	
KRUSZKA	JEFF	LA BATON ROUGE	318	213	45	43	0	0	25+	1	4	2	33	93	06/21/95	
MILLER	RUSS	ME AMITY	311	152	57	71	5	0	29	5	0	0	34	94	10/15/95	
OGLETHORPE	DANNY	LA SHREVEPORT	285	104	5	101	0	0	35+	4	5	1	46	94	08/03/95	
SMITH	DOUG	TN PLEASANT VIEW	226	140	17	36	0	0	27	1	2	1	31	90	12/17/94	
HANLEY	CHRIS	IL GALESBURG	210	108	10	60	0	0	28	6	0	1	35	88	08/09/95	
BUENEMAN	ERIC	MO HAZELWOOD	207	147	6	25	0	0	24	2	0	0	26	92	11/12/95	
SMOLAREK	BOB	NJ HIGH BRIDGE	166	116	15	20	0	0	25+	0	0	0	26	85	01/01/94	
MILTIER	RANDY	CA SAN JOSE	126	38	2	70	2	0	16	7	3	0	7	69	01/25/95	
BUNTIN	DANNY	OK STILLWATER	123	90	6	6	0	0	22	2	0	0	24	77	03/01/94	
STEINBERGER	RICHARD	MA HUDSON	87	50	4	6	0	0	14	1	0	0	15	60	11/15/95	
HAWK	MIKE	NE OMAHA	82	48	7	5	0	0	11	2	0	0	13	91	07/29/95	
CONTONE	RICHARD	NY JAMAICA	40	30	5	0	0	0	7	0	0	0	7	81	02/01/94	
REMINGTON	SHELDON	HI FERN FOREST	11	2	2	0	0	0	1	0	1	0	2	93	05/02/94	

* VERIFIED.

COLUMN DEFINITIONS: are as follows: Total = Total number of TV stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count.) Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. UHF = All stations logged from CHANNELS 14 TO 83. Es=Total number of stations logged by E-skip. MS=Total by meteor scatter. Au=Total via Aurora. USA=Total number of states and the "+" = Washington, DC. CN=Number of Canadian provinces logged. MX=Number of Mexican states logged. PO=Number of foreign countries, but not Canada/Mexico. TPU (Total number of political units)=Sum of USA CN MX and PO. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in VUD Issue 2/95. Note: Some of you need to get current and submit your latest stats to keep on the Scoreboard. Also submit any distance records, states stats and personal best statistics. Send via E-mail or snail mail. 73 - Fred.

REMINDER - REMINDER - REMINDER - REMINDER - REMINDER - REMINDER - REMINDER

WTFDA DX AWARDS PROGRAM

Annual DX Logs: - FM 1st Place & Runner Up - TV 1st Place & Runner Up
(Notes 3 thru 4 Apply. No relogs.)

Annual Records: E-Skip greatest distance - 1st Place FM/TV 1 ea.
Tropo greatest distance - 1st Place FM/TV 1 ea.
Au greatest distance - 1st Place FM/TV 1 ea.
MS greatest distance - 1st Place FM/TV 1 ea.

(Notes 1 thru 4 apply, except relogs are permitted)
Single Day Event, Greatest log 24 hrs: E-Skip: 1st Place Tropo: 1st Place
Au: 1st Place MS: 1st Place

The continuous 24 hr period may cover parts of 2 calendar days.
(Notes 3 thru 4 apply, except relogs are permitted.)

Hall of Fame - FM 2000+ logs - TV 1000+ logs
(Notes 3 thru 4 apply. No relogs.)

See Notes on next page

WTFDA DX AWARDS PROGRAM

Notes:

1. Greatest distance entries will be recalculated by Statistics Editor-using DXers location and stations city of license grid coordinates.
2. Records must be log documented: i.e. Date/Prop/Time/Freq(MHz/Ch)/Call/Location/ID criteria.
3. Loggings are to be in accordance with groundrules for computing totals cited in the Feb 95 VUD. (1 DX location only within 25 mi. radius).
4. 1995 Entries will be accepted for loggings made 1/1/95 thru 1/31/95. This program is open to current WTFDA members who submit entries via e-mail or snail mail. Cutoff date for submitting entries to Statistics editor (Fred Nordquist) will be 1/31/96. Announcements of recipients of DX Awards will be published in the March 96 VUD Statistics Column. Certificates will be prepared by Jim Thomas (Old West Graphics) who will mail them to recipients in March 96.

Now is the time to review your 1995 logbook and tally up those statistics. You may be in the running for some of these awards! As a bonus to award winners, I'll donate a printout of your personalized DX distances that I offered in the FM Scoreboard! According to the Scoreboards it appears that 1st Hall of Famers may be claimed by Jeff Kadet/Bob Seybold (TV) and Keith Pugh/Ralph Strobel/Danny Buntin/plus maybe a couple of others? (FM). Happy Holidays! Any suggestions for improving future DX Awards programs are welcome 73-Fred.

TV STATISTICS			AS OF: 12/12			STATS STATS		
PU	# DXER	# DXER	PU	# DXER	# DXER	PU	# DXER	# DXER
USA			USA(CONT)			CANADA		
AL	46 JKA-	43 FGA-	NT	8 JKA-	6 PDY-	AT	9 JKA-	2 PDY-
AK	0 None	0 None	NE	29 JKA-	19 MHA-	BC	1 FWH-	0 None
AZ	5 JKA-	5 PDY-	NV	3 FGA-	3 PDY-	NB	7 JKA-	3 FWH-
AR	26 JKA-	10 PDY-	NH	11 RBA-	10 RST1	NB	20 RMI-	9 RBA-
CA	7 PDY-	2 FGA-	NJ	16 RSM-	9 RMI-	NF	5 RBA-	4 GCO-
CO	16 JKA-	12 PDY-	NM	5 JKA-	5 PDY-	NS	34 RMI-	30 RBA-
CT	20 RBA-	12 RSM-	NY	96 DNI-	82 FNO-	ON	84 DNI-	77 GCO-
DE	5 RSM-	3 RMI-	NC	33 RBA-	19 JKA-	PEI	5 RMI-	1 RBA-
FL	83 FGA-	80 MS12	ND	10 JKA-	6 PDY-	PQ	44 RMI-	19 DNI-
GA	34 FGA-	33 JKA-	OH	83 JKA-	53 DNI-	SK	14 JKA-	4 FWH-
HI	10 SRE1	0 None	OK	30 JKA-	28 DBU-	MWT	2 WHE6	1 WHE7
ID	4 JKA-	4 PDY-	OR	1 PDY-	0 None			
IL	73 JKA-	33 DSM-	PA	57 DNI1	44 RBA-	FOREIGN(AMERICAS)		
IN	56 JKA-	23 DSM-	RI	7 RBA-	5 RMI-	CUBA	7 FGA-	4 JKA-
IA	62 JKA-	17 MHA-	SC	18 RBA-	8 FGA-	D.REP	1 JKA-	0 None
KS	33 JKA-	8 MHA-	SD	18 JKA-	9 PDY-	EL SA	2 FGA-	2 PDY-
KY	38 JKA-	28 DSM1	TN	47 JKA-	34 DSM1	GUATE	1 FGA-	1 PDY-
LA	54 JKR1	47 JKR-	TX	157 FGA-	104 PDY-	HONDU	2 FGA-	0 None
ME	29 RMI-	22 RBA-	UT	4 JKA-	2 PDY-	NICAR	1 PDY-	1 FGA-
MD	13 RSM-	9 JKA-	VT	11 RBA-	7 RMI-	PUERT	1 JKA-	0 None
MA	29 RBA-	26 RST1	VA	42 RBA-	11 JKA-	VENEZ	1 GCO-	0 None
MI	72 JKA-	39 DNI-	WA	3 JKA-	1 FWH-	FOREIGN(OTHER)		
MN	109 JKA-	8 PDY-	WV	19 JKA-	5 DNI-	FRANCE		1 WHE5
MS	27 FGA-	26 JKR1	WI	61 JKA-	27 DSM-	USSR/AUSTRALIA	1 EA	JKA-
MO	59 JKA-	17 DSM1	WY	4 JKA-	2 FWH-	NORWAY/SWEDEN	1 EA	JKA-
			DC	8 RSM-	5 JKA-	UK		2 WHE5

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM A SINGLE SPECIFIED DXER'S LOCATION. FIRST AND SECOND PLACE DXERS ARE LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED....FJN.

TV STATES STATS-DXER INITIALS/LOCATION/GRID			COORDINATES			LAT NO. LONGWEST		
INIT	DXER NAME	DXER LOCATION	12/12/1995	DEG	MIN	DEG	MIN	DEG
RBA-	ROY BARSTOW	MA TEATICKET	41 36 70 36					
DBU-	DANNY BUNTIN	OK STILLWATER	36 7 97 4					
GCO-	GREG CONGLIO	NY CLARENCE	42 59 78 41					
PDY-	PAT DYER	TX SAN ANTONIO	29 28 98 36					
FGA-	FERNANDO GARCIA	MEX GUADALOUPE(N	25 41 100 15					
MHA-	MICHAEL HAWK	NE LINCOLN	41 13 96 3					
WHE6	WILLIAM RHEPBURN	MT FROBISHER BA	63 44 68 28					
WHE7	WILLIAM RHEPBURN	NT EUREKA	0 0 0 0					
WHE5	WILLIAM RHEPBURN	ON NIAGARA FALL	43 6 79 4					
JKA-	JEFF KADET	IL MACOMB	40 27 90 40					
JKR1	JEFF KRUSZKA	LA BATON ROUGE	30 30 91 10					
JKR-	JEFF KRUSZKA	LA NARAHAM	29 56 90 11					
RMI-	RANDY MILTIER	OR ASHLAND	42 11 122 40					
DNI1	DAVID J NIEMAN	NY AKRON	42 58 78 32					
DNI1	DAVID J NIEMAN	NY ROCK CITY	42 1 78 28					
FNO-	FRED NORDQUIST	NY CLAY	43 8 76 8					
SRE1	SHEL REMINGTON	HI KEAAU(FERN F	19 27 155 10					
MS12	MATTHEW CSITTEL	FL TALLAHASSEE	30 29 84 18					
DSM1	DOUGLAS ESMITH	WI MADISON	43 5 89 22					
RSM-	BOB SMOLAREK	NJ HIGH BRIDGE	40 40 74 54					
RST1	RICHARD STEINBERGER	MA HUDSON	42 24 71 35					
FWH-	FRANK WHEELER	PA ERIE	42 8 80 4					

UPDATED 12/12/95

FM SCOREBOARD

FM STATISTICS

DXER NAME	DXER LOCATION	TOTAL	88-92	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS	OF:
PUGH	KRITH AL NEW HOPE	2359	382	1321	101	18	47+	7	13	6	70	83	10/09/95	
STROBEL	RALPH IN MUNCIE	2324	621	773	180	7	43+	7	5	2	58	72	01/09/95	
BUNTIN	DANNY OK STILLWATER	2032	341	1210	4	0	48+	5	9	2	65	74	07/01/94	
CONIGLIO	GREG NY WILLIAMSVILLE	1973	334	1032	24	38	41+	8	2	4	56	85	10/02/94	
FELA	JOSEPH NJ S. PLAINFIELD	1924	418	1059	2	10	38+	6	0	3	47	68	09/09/95	
EBELING	JOHN MN BLOOMINGTON	1837	312	1041	51	83	47+	6	5	0	59	52	01/01/95	
ELVING	BRUCE MN DULUTH	1788	318	1375	9	8	47+	4	1	0	53	48	08/23/94	
BUGAJ	MIKE CT ENFIELD	1758	245	970	25	23	37+	5	1	3	47	74	11/18/94	
NORDQUIST	FRED NY CLAY	1730	371	864	48	59	42+	5	0	3	51	69	12/12/95	
HAWK	MIKE NE OMAHA	1588	312	866	30	0	47+	6	4	0	58	91	07/30/95	
EBELING	JOHN MN PROSIT	1414	268	919	4	6	48+	9	2	0	60	75	01/01/95	
SEYBOLD	BOB NY DUNKIRK	1340	219	611	0	2	45	8	3	3	59	58	01/16/95	
CHERNOS	SAUL ON BURNT RIVER	1319	272	759	42	81	38+	8	0	1	48	77	08/12/94	
SMOLAREK	BOB NJ OLDWICK	1288	195	620	2	4	36+	4	0	3	44	78	09/01/95	
JEFFERSON	JOHN CA DIABLO REGION	1283	291	740	174	1	30	4	7	0	41	74	01/08/95	
SHAFTAN	RICHARD NJ SPARTA	1239	198	541	21	0	37+	5	0	3	46	78	09/06/95	
ZONDLO	JOHN OK YUKON	1217	242	668	2	0	42+	5	9	0	57	79	02/26/95	
SITTEL	MATT FL TALLAHASSEE	1156	162	554	2	0	38+	2	6	4	51	92	01/18/95	
MORGAN	GIL MO LEBANON	1109	199	255	26	0	40+	5	5	0	51	94	10/06/95	
HOLBROOK	HANK MD DUNKIRK *	920	252	249	19	0	35+	7	0	4	47	59	10/10/95	
ORTTING	DANIEL PA EYTON/PHOENIXV	919	234	317	9	2	34+	7	0	1	43	77	07/23/95	
WISBLOOD	STEVEN TX BROWNSVILLE	852	183	381	5	0	32	0	9	7	48	92	07/13/94	
NIEMAN	DAVID NY ROCK CITY	835	195	134	8	1	35+	5	0	0	41	91	10/02/95	
NIENAJADLY	BILL NJ CLIFTON	806	116	376	8	0	34+	3	0	2	40	75	07/01/94	
HALL	D. BRUCE ON BRANTFORD	800	132	153	106	2	40+	6	1	3	51	90	07/20/94	
SIEGEL	GARY OH TOLEDO	770	164	177	0	0	32+	5	2	1	41	76	11/12/94	
STEINBERGER	RICHARD MA HUDSON	769	164	336	12	6	35+	5	0	0	41	58	11/15/95	
TUDENHAM	JOHN MO JOPLIN	603	111	151	1	0	38+	2	2	0	43	91	08/03/95	
SIMON	KEN FL LAKE WORTH	545	148	427	0	0	34+	2	4	8	49	66	07/05/95	
JEZIOKSI	MIKE FL CRESCENT BEACH	482	81	203	0	0	33+	3	0	2	39	93	08/09/95	
AYERS	JIM TN MURFREESBORO	448	73	18	1	0	27	1	1	0	29	81	02/12/94	
DURKIN	PAT WI WEST ALLIS	428	89	81	0	0	32+	3	0	0	36	78	08/29/95	
BRANDENBURG	TODD KS SILVER LAKE	418	68	58	1	0	27	1	0	0	28	80	07/14/94	
CHERNOS	SAUL ON TORONTO	399	103	82	0	0	21+	1	0	0	23	77	08/12/94	
GEORGE	PETER MA STOUGHTON	394	94	149	20	2	36+	5	0	0	42	67	07/05/95	
MANCUSO	GUS MD CHEVERLY	364	65	62	0	0	26+	0	0	0	27	72	10/01/95	
MCVEY	TIM PA HANOVER	333	55	38	0	0	20+	3	0	0	24	94	09/09/95	
MOUNT	PAUL NJ MONMOUTH	307	48	21	0	0	20+	0	0	0	21	90	08/24/92	
BUENEMAN	ERIC MO HAZELWOOD	213	31	72	0	0	24	0	2	0	26	92	11/12/95	
ONYSCHUK	KEN IL STEGER	168	36	0	0	0	7	0	0	0	7	68	08/20/94	
REMYINGTON	SHEL HI KEAAU	135	19	0	1	0	2	0	1	0	3	89	05/02/94	
SCHWEITZER	BOB VA SALEM	76	9	0	0	0	5+	0	0	0	6	91	01/14/95	

* VERIFIED.

COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count.) Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz. Es=Total number of stations logged by E-skip. MS=Total by meteor scatter. Au=Total via Aurora. USA=Total number of states and the "+" = Washington, DC. CN=Number of Canadian provinces logged. MX=Number of Mexican states logged. FO=Number of foreign countries, but not Canada/Mexico. TPU (Total number of political units)=Sum of USA CN MX and FO. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in VUD issue 02/95. Note: Now is the time to update and submit your latest stats to keep on the Scoreboard. Also submit any distance records, states stats and personal best statistics. Send via E-mail or snail mail. Laserjet printouts of personalized DX distances now covering >6000 FM/TV cities in the Americas north of the equator, with choice of miles or kilometers, are available for only \$2 donation. Include your DX location and grid coordinates with your order. 73...Fred.

FM STATISTICS
AS OF: 12/12

STATES STATS

PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER
USA					USA (CONT)					CANADA					MEXICO				
AL	106	KPU-	69	MS12	MT	30	JJE2	25	JP1-	AB	30	JJE2	29	JJE2	AGU(AG)	2	MS12	1	JP1-
AK	11	JJE3	0	None	NE	80	MHA-	53	JJE2	BC	20	JJE2	11	JEB2	BCN(BN)	14	PDY-	10	FMC-
AZ	50	PDY-	39	JJE2	NV	26	PDY-	24	DBU-	MB	15	FMC-	13	FMC2	BCS(BS)	1	PDY-	1	JZO-
AR	86	DOD-	63	DBU-	NH	35	RST1	17	AM1-	NB	11	FME1	7	RST1	CAM(CE)	1	JP1-	1	SW11
CA	428	JJE2	133	PDY-	NJ	89	JFE-	73	RSM-	NF	13	JFE-	13	DN11	CHI(CI)	9	FME1	9	MHA-
CO	122	DAL-	71	JJE2	NM	51	JJE2	49	RST-	NS	15	FME1	9	KPU-	CHP(CH)	3	PDY-	0	None
CT	49	MBU-	42	AM1-	NY	243	FMO-	198	DN1-	ON	133	DN1-	131	GCO-	COA(CL)	8	FME1	7	MHA-
DE	19	DOE-	17	JFE-	NC	124	MS11	86	PDY-	OR	31	JP1-	29	FMC2	DF (DF)	21	TMC-	21	JP1-
FL	175	MS12	162	PDY-	ND	34	FMC-	34	FMC2	PEI	2	JFE-	2	RST-	DUR()	1	PDY-	0	None
GA	112	MS12	103	PDY-	OH	242	RST-	177	FME-	PQ	31	DN1-	29	GCO-	GRO(GR)	5	PDY-	1	JP1-
HI	29	SRE1	0	None	OK	139	DBU-	131	JZO-	SK	12	FME1	10	JJE2	GTO(GN)	9	JP1-	2	TMC-
ID	28	DBU-	28	PDY-	OR	31	JP1-	29	FMC2	NWT	1	WME2	1	JJE2	HGO(HD)	1	JP1-	0	None
IL	225	FME1	222	RST-	PA	172	DN11	145	JFE-	FOREIGN					JAL(JA)	12	TMC-	10	PDY-
IN	219	RST-	132	DBR-	RI	14	WMO-	14	RST1	CUBA	6	RST-	5	FME1	MEX(MC)	3	JP1-	3	PDY-
IA	120	RBR-	120	JEB-	SC	61	MS11	60	PDY-	BELIZ	3	PDY-	0	None	MIC(MH)	3	JP1-	1	PDY-
KS	106	DBU-	90	TBR-	SD	42	JJE2	39	KPU-	BERMU	3	DN1-	3	GCO-	MOR(MR)	5	PDY-	3	JP1-
KY	120	RST-	74	PDY-	TN	110	KPU-	95	DSM1	EL SA	8	PDY-	4	SW11	NL (NL)	20	SW11	18	MHA-
LA	77	JFE-	73	GCO-	TX	320	PDY-	226	RST-	GUATE	15	PDY-	5	SW11	OAX(OX)	1	JP1-	1	PDY-
ME	47	RST1	30	KPU-	UT	30	PDY-	23	FME1	HONDU	5	SW11	2	PDY-	MAY(MA)	1	PDY-	0	None
MD	61	JFE-	54	DOE-	VT	17	RST1	14	KPU-	JAMA1	14	KPU-	11	MS12	PUE(PU)	5	PDY-	4	TMC-
MA	105	RST1	77	MBU-	VA	67	MS11	66	JFE-	PUERT	4	KSI-	1	DN1-	SIN(SN)	3	JJE2	1	DBU-
MI	173	RST-	139	FME-	WA	46	FMC2	35	DAL-	D.REP	1	MS12	1	KSI-	SLP(SL)	2	TMC-	0	None
MN	214	JEB2	205	JEB-	WV	68	GMA1	40	RST-	BAHAM	1	FMO-	1	WMO-	SOM(SO)	8	JJE2	5	PDY-
MS	78	KPU-	64	TMC-	WI	143	BEL2	133	JEB-	COSTA	6	SW11			TAB(TB)	2	TMC-	2	PDY-
MO	175	GMO-	143	FME1	WY	31	RST-	26	PDY-						TAM(TM)	25	SW11	14	MHA-
					DC	14	GMA-	13	DN1-						VCZ(VZ)	11	SW11	9	JP1-
															YUC(YU)	4	SW11	3	MS12

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM A SINGLE SPECIFIED DXER'S LOCATION.
FIRST AND SECOND PLACE DXERS ARE LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED....FJM.

FM STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES
12/12/1995

INIT	DXER NAME	DXER LOCATION	LAT NO.	LONGWEST	INIT	DXER NAME	DXER LOCATION	LAT NO.	LONGWEST
			DEG MIN	DEG MIN				DEG MIN	DEG MIN
DAL-	DOUGLASS ALLEN	CO WOODLAND PAR	39	0 105 3	FME1	FRANK MERRILL	IL MACOMB	40	27 00 40
TBR-	TODD BRANDENBURG	KS SILVER LAKE	39	6 95 52	FME-	FRANK MERRILL	MI MILAN	42	5 83 40
RBR-	RUSS BROWN	MI ST JOSEPH	42	6 86 29	AM1-	ALAN MILLMAKER	IL CENTRALIA	38	31 89 8
DBR-	DAVID BRUMFIELD	IN MUNCIE	40	11 85 23	DN11	DAVID J NIEMAN	NY ROCK CITY	42	1 78 28
MBU-	MIKE BUGAJ	CT ENFIELD	41	58 72 36	DN1-	DAVID J NIEMAN	NY AKRON	42	58 78 32
DBU-	DANNY BUNTIN	OK STILLWATER	36	7 97 4	WMO-	WILLIAM WHOLMAN	CT BOZRAH	41	20 72 36
GCO-	GREG CONIGLIO	NY CLARENCE	42	59 78 41	FMO-	FRED MORDOUST	NY CLAY	43	8 76 8
PDY-	PAT DYER	TX SAN ANTONIO	29	28 98 36	DOD-	DAVID ODELL	AR LITTLE ROCK	34	16 96 15
JEB2	JOHN EBELING	WV PROSIT	47	0 92 37	DOE-	DAN OETTING	PA BROOMALL	39	59 75 22
JEB-	JOHN EBELING	MN BLOOMINGTON	46	47 92 6	JP1-	JIM PIZZI	MA LOVINGTON	32	57 103 21
BEL2	BRUCE ELVING	MN DULUTH	46	47 92 6	KPU-	KEITH D PUGH	AL NEW HOPE	34	32 86 24
JFE-	JOSEPH FELA	NJ S PLAINFIELD	40	35 74 25	SRE1	SHEL RENINGTON	HI KEAUA(FERN F	19	27 155 10
MHA-	MICHAEL HANK	NE LINCOLN	41	13 96 3	KSI-	KEN SIMON	FL LAKE WORTH	26	37 80 3
WME2	WILLIAM RHEPBURN	NT CORAL HARBOR	64	8 83 10	MS12	MATTHEW CSITTEL	FL TALLAHASSEE	30	29 84 18
JJE3	JOHN M JEFFERSON	AK ANCHORAGE	61	13 149 53	MS11	MATTHEW CSITTEL	NC RALEIGH	35	47 78 39
JJE2	JOHN M JEFFERSON	CA PLEASANTON	37	40 121 53	DSM1	DOUGLAS ESMITH	TN PLEASANT VIE	36	24 87 5
GMA1	GUS MANCUSO	WV BIRCH RIVER	38	30 80 47	RSM-	BOB SMOLAREK	NJ HIGH BRIDGE	40	40 74 54
GMA-	GUS MANCUSO	ND CHEVERLY	38	55 76 55	RST1	RICHARD STEINBERGER	MA HUDSON	42	24 71 35
FMC-	FRED MCCORMACK	ND DES LACS	48	17 101 25	RST-	R L STOCK	NY AURORA	0	0 0 0
FMC2	FRED MCCORMACK	ND FARGO	46	52 96 48	SW11	STEVEN C WISEBLOOD	TX BROWNSVILLE	25	54 97 30
TMC-	TIMOTHY KOCVEY	TN BOLIVAR	35	16 88 59	JZO-	JOHN ZONDLO	OK YUKON	35	30 97 45



EDITED FOR THE 'VHF/UHF DIGEST' BY TOM BRYANT,
849 TODD PREIS DR., NASHVILLE, TENNESSEE, 37221

Here's a reprint that goes back almost 46 years. Mt. Wilson still bristles with towers...but a lot of the call letters have changed. So has the cost of building a station! Get a load of the \$150,000 price tag for the construction of KNBH.

Mountain Top TV CITY

By
CHARLES D. PERLEE
RADIO & TELEVISION NEWS

California's Mt. Wilson, once famed as the home of the 100-inch telescope, is gaining an even wider reputation as a TV and FM transmitter site for Hollywood stations.



SOUTHERN California's Mt. Wilson, long famed as the home of the 100-inch telescope, has lost some of its importance as an astronomical center with the installation of the 200-inch telescope at Palomar Mountain, also in Southern California. However, Mt. Wilson, almost 6000 feet high and close to the Southwest's center of population—Los Angeles, Pasadena, Glendale, etc.—is not playing second fiddle to Palomar even though Palomar is practically perfect for stargazing because of the clearer atmosphere.

With the advent of television, Mt. Wilson has become the world's largest center of video transmissions. Television programs originate in Hollywood but they are beamed to Mt. Wilson 18 miles away. By transmitting from Mt. Wilson it is estimated that the programs can reach 500 per cent more listeners than could be served if the programs were beamed directly from Hollywood. The Mt. Wilson transmitters, located 5000 feet higher than Hollywood, telecast Milton Berle and other TV favorites onto screens in homes up to 100 miles away. This means a potential audience of 6,000,000 in Hollywood's primary service area within the next decade.

As of October 1st the Los Angeles area's seven television stations were programming for an estimated 213,000 video screens in Los Angeles, and its neighboring cities.

Although the major emphasis has been placed on television transmissions from Mt. Wilson, other services are sharing this advantageous location. Both FM and mobile radio-telephone material is handled by these mountain top transmitters. At present there are six TV and several FM transmitters in operation at the "Mountain Top TV City," but 21 other sites have been leased or purchased, the FCC having approved a total of 27 licenses. Six other transmitters are now under construction at Mt. Wilson. In addition to the 27 licensees, 13 other television and/or FM broadcasters are jockeying for positions on this crowded mountain peak.

Earle C. Anthony, pioneer car dealer and long-time owner of station KFI, believes in the future of TV and FM broadcasting so wholeheartedly that he has purchased an entire mountain, Mt. Harvard, sister peak to Mt. Wilson, for his long-range expansion program.

Mt. Wilson, once a quiet astronomical center and the goal of nature-loving hikers and motorists, is now a bustling "city." Buildings and antenna towers have sprung up all over the mountain top. Lumber, cement, and equipment-laden trucks make a steady roaring "parade" along the 30-mile route, of which famous Angeles Crest Highway is a part, from Los Angeles to Mt. Wilson.

The intricate "brains" of Television

City are housed in the huge rock building of the *Pacific Telephone and Telegraph Company*. Through this headquarters goes the cable from all of the stations in Hollywood. The building also houses the "eye" for the new mobile telephone system. Transmissions from automobiles operating in the vicinity of Los Angeles are picked up by a station located at Griffith Park Hills. From this point the message is beamed to Mt. Wilson and then to Mt. San Jacinto, the peak which overlooks Palm Springs, and from there to the home or office of the called party. Voices of motorists can now be heard exceptionally well on long distance calls and a decided improvement in transmission quality has been effected due to the high mountain beaming.

Mt. Wilson even with a Television City on top hasn't changed much. The score or more of new buildings are appropriate to the surroundings although the antenna towers, parabolic receivers, and radar-like transmitters do provide a startling contrast, to the Ponderosa pines and big-cone spruces. The famous old Mt. Wilson Hotel still looks as it did 30 years ago, while nearby the six telescopes and sun towers of the Carnegie Institute's Observatory are still the scene of stellar discoveries and daily computations. The hotel's A. C. Childs gives his nightly astronomical lecture, although he now extends his remarks to include the newer wonders of TV and FM.

The peak's herd of 30 mule deer hasn't been frightened away by this new invasion of their domain and they and seven species of birds and a large congregation of gray squirrels are still getting their free meals of ginger snaps, fruit, and peanuts from visitors. This is one place where wild animals still have complete faith in humans and so far their faith hasn't been misplaced.

Mt. Wilson's human population is growing by leaps and bounds. There is often so much snow in this area that autos cannot traverse the slip-

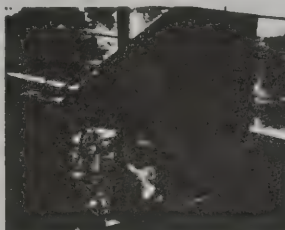
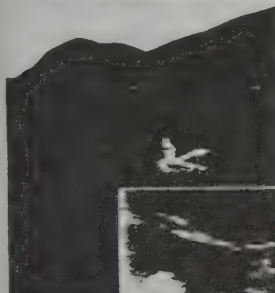
pery, precipitous roads. To eliminate this necessity, radio engineers and their families are now being housed right at the transmitter sites. It may be hard for Easterners to believe that Southern California can be the scene of devastating snowstorms but Mt. Wilson often receives as much as 30 inches of snow in a single storm. The TV people learned their lesson last winter when they didn't have engineers on duty 24 hours a day. A heavy storm hit the area, the snow piled up to over three feet, lightning struck and blew out the power system, and the

engineers were snowbound at the bottom of the mountain! Video screens and FM sets in hundreds of homes were blank while engineers were scrambling peakward with dogsleds, snowshoes, and skis. That situation won't arise again. Engineers now live right at the transmitters 24 hours a day.

Thus a new and specialized "city" is growing up, 6000 feet above sea level and within easy driving distance of Los Angeles and its tremendous television market potential.

-30-

Over-all view of "TV City." This concentration of transmitters means improved reception for set owners. A single antenna oriented in one direction covers all broadcasts.



Part of the telephone company's relay setup for mobile telephone service. Messages are relayed from Griffith Park Hills to Mt. Wilson, thence to Mt. San Jacinto.

Two of the antennas on Mt. Wilson. TV unit (left) and FM tower (right) are each 198 feet high.



KNBH, NBC's Hollywood outlet shown during construction at Mt. Wilson. This \$150,000 station is now on the air daily.



Mt. Wilson's "younger set" children of resident radio engineers, pose beneath KTLA's giant parabolic TV receiving horns.

A close-up view of Mt. Wilson's "TV City" showing the seven TV and FM towers already installed. This number will eventually reach 27 when all of the stations licensed by the FCC for this area go on the air. Television stations KTTV, KNBH, KICA-TV, KFTV, KTLA, and KLC are now transmitting regularly from Mt. Wilson. KTLA, which is now transmitting from Hollywood, will soon have facilities at Mt. Wilson location.



WESTERN TV-DX

January 1996

Victor Frank
12450 Skyline Blvd.
Woodside, CA 94062-4541
email frank@sneezy.sri.com
(415)851-7031

Is it TV or FM?

Your conductor likes to listen to classical music. At one time, in the not too distant past, we in the San Francisco Bay area had two classical music stations to listen to on AM, KKHI and KIBE. Now we have none! No problem, just tune in KKHI or KDFC on FM-if you've got an FM radio in your car or truck. I don't, and at least KKHI leaves a lot to be desired in the FM band. You see, they sold their AM station (and their AM & FM frequencies), and eventually showed up again in Marin county. Their AM signal was hardly detectable in the mid-peninsula and eventually they gave it up. They managed to get two adjacent FM channels, 101.7 and 101.9, one for a low power translator for San Francisco. Both are subject to dropouts when received in a car traveling through our hilly terrain.

During the first week in December, they announced that they had added 500,000 Watts of power for the southern peninsula; that they could now be heard on the second audio program (SAP) of San Francisco's TV channel 38, KCNS. Perhaps 500,000 Watts is stretching it, as the SAP doesn't get all the audio power. Nevertheless, the transmitter is on the TV tower (1443') and offers better coverage than the FM translator.

On my R-7100, the SAP appears 75 kHz above and below the main TV audio (619.75 MHz). (One hears both audio signals when tuned in this way.) Note that the station can and does transmit stereo sound as well as SAP. For the first audio program, FCC rules specify a deviation of ± 25 kHz for 100% modulation, but capability of deviation out to ± 40 kHz. I guess the SAP has ± 25 kHz as well.

The second channel audio is transmitted on a subcarrier, in this case it is 75 kHz. Tuning about, I see some TV stations have a subcarrier of 100 kHz, and some are rebroadcasting their main audio.

I found that we have one TV set that will receive SAP. It's the button labeled STR/L2, and L2 brings it in fine. I guess it's too much to hope for in the near future, but I'd like a receiver for my car (which doesn't even have an FM receiver) that would receive TV SAP. Do any of our readers know of a receiver for SAP for either TV or FM?

Not knowing any better, and being more interested in the propagation than in keeping records, I am reporting almost everything I receive (in the mail), including reception of just the video carrier frequency. Trouble is, it's hard to identify a station with the limited information there. (One can identify the vertical and horizontal repetition frequencies and direction of arrival, but that's about it.)

I would assume that for record, identification of a picture would be necessary. Perhaps I'm wrong, and an audio-only ID is sufficient. How about teletext reception (which is more difficult than either audio or video)? At any rate, the observation I have described is a reception of KCNS-38, a TV transmitter, even though the program material is that of KKHI.

Addendum: I was curious about what the local VHF stations were transmitting on SAP, if anything, and have compiled the following list.

Channel	Call	City	SAP (kHz)	Content
2+	KTVU	Oakland	80	Spanish
3+	KCRA	Sacramento		None
4-	KRON	San Franc.	100	Duplicate
5+	KPIX	San Franc.	100	Duplicate
6-	KVIE	Sacramento	78	2nd program
7-	KGO	San Franc.	102	FAX
8+	KSEW	Salinas		None
9+	KQED	San Franc.		None
10+	KXTV	Sacramento		None
11+	KNTV	San Jose		None
12-	KHSL	Chico		None
13+	KOVR	Stockton	100	FAX

It is difficult to measure the exact offset with the R7100. The wide-band FM filter is too wide, and the narrow one too narrow. These measurements are probably within 2 kHz, however. Some of the other stations may have SAP (or SCA, second channel audio as it called on FM) at other times than when I listened.

I received a report from Anthony Mann in Perth, Australia with a lot of good DX, but no IDs. I have taken the liberty of aiding him (and the reader) by presenting my best guesses in { ? }s as to where the stations could have been.

A. Mann, Perth, Western Australia.

Equipment:

Icom-R7000, Mitsubishi DA-F10 analog FM tuner, Crossfire 3617A rotatable, horiz pol; 7 el FM Yagi fixed, east, vert. pol.

Note: 55.2X is from the north unless otherwise noted, bfo = signal level only audible with bfo on.

October 1995

GMT+8h

21 TE?1236 49.751 (China?), bfo 55.2500 A2, (Philippines?), bfo 55.2396 "echoey". (NSW Australia?)
1311 ditto
1330 bfo 49.75 , bfo 55.2500 (2) "raspy" bfo 55.2396 (Malaysia, Thailand?) bfo 48.2396 (Nakhon Ratchasima, Thailand?) & 48.2604
1337 55.2500 E3 (50Hz) (Bangkok, Thailand?)

(IPS: occ SpE Sydney & Darwin, SF 81, A10)

November 1995

5 Es 1055 46.170, bfo 57.26 (Que. Austr.?)
1133 46.240, bfo 57.283 (Australia?)
6 Es 1830-1900 bfo 57.250 " "
7 Es 0743 57.250 & 62.75 strong " "
0940 ditto
10 Es 1900 57.250 " "
12 Es 1718 57.250 " "
26 Es 0817 46.17 strong, bfo 57.260 " "
0948 ditto & 51.67, bfo 46.240, bfo 46.250 " "
0951 103.71 rapid & deep fading carrier from east
1145 bfo 46.17 " "
1232 bfo 46.17, bfo 46.240, bfo 57.260 " "
1259 bfo 46.240, bfo 57.250 Asian comms 31.75 to 36.7
Es 1339 46.240, 50.1 ssb VK1RX & VK1BSC (ACT, Australia)
1359 ZL bfo 45.2398 & 45.2604 (New Zealand)
1445 ZL bfo 45.2605 & 45.2606, " 55.2400 east, bfo 46.17, (Austr) bfo 57.250, bfo 57.260
1545 ZL bfo 45.2396 & 45.2604, (N.Z.) Asian comms 32-36 MHz
1550 ZL 45.24, 45.25, 45.26 all bfo 2030 57.25 (Australia)
27 TE?1850 31.570 Asian comm (raspy tone) 36.045 am bc China
2000 bfo 49.7512, bfo 57.250, bfo 36.045 am bc China

There's been some more DX as far as NZ (MUF 55.25) to the east and some one-hop FM on the 28th of November.

Conditions seem to be improving.

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

Equipment:

Mobile: 1990 Radio Shack Realistic Pocketvision 23 LCD 2 1/4" color with 2' whip; 1994 Radio Shack 16-124 CRT 5" b&w with 3 1/2" whip.
Residence: Early 1970s Sears 564.50010000 9" b&w with rabbit ears & bow-tie; approx. 1975 Sony KV-1214 12" color with rabbit ears & bow-tie; occasional access to 1987 MGA-Mitsubishi CS-1344R 13" color with indoor 2-bay bow-tie-reflector.

This report covers October and November 1995.

One bit of news is the addition of a used Sony TV, noted above, to my equipment collection. The only thing to report is the usual tropo to San Diego/Tijuana (175-200 miles), with the usual stations on channels 6-69. It has not been consistent but still often. An occasional cold front comes through, stirring up the air with the tropo disappearing, but in between fronts, the inversion layer returns along with the coastal tropo. The winter season has not really taken hold here yet. One such good evening, on November 23 at about 7:40 PM brought a new tentative logging of LPTV K35DG, University of California, San Diego (approx. 175 miles). More station information has been sent to the TV News column.

Jeff Kruszka, 5024 S. Braxton, Baton Rouge, LA 70817

November 1995

CST

26 tr 2221 WAFF 48 AL 400
WATL 36 GA 455
2231 unID' 66 Note 1
2232 WVEU 69 GA 455
2240 WHSG 63 GA 490
2256 WAEW 14 GA 420
2259 WDEH 18 AL 340
2327 WJWJ 16 SC 635 Note 2

December 1995

2 tr 0027 KLDO 27 TX 540 Note 3
KOROT 28 TX

Notes:

1. unID color bars--3 city ID lower right?
2. Wow! Wasn't expecting this--SC ETV color bars. Antenna at ground level!
3. Antenna installed in attic (finally). 20' AGL. RG-11/U coax (new).

John Ebeling, 9209 Vincent Ave. So., Bloomington, MN 55431

Had a little off-season Es up here in MN. On 11/21 had channel 3 from Hartford, CT (WFSB) with a very good pix from about 4:45 to 5:30 PM. Didn't write the call down & my reference material is up north at the cabin. Channel 21 in Duluth (KRBR) must have increased their power somewhat, as last week I was able to get a snowy pix for the first time ever at the cabin, which is only 26 miles away as the crow flies from Duluth. Again, I cannot be sure of the calls -- sorry. Was out in the San Francisco area in early November. Wife & I spent a week enjoying the scenery. Also visited friends in Morgan Hill. Had super weather during our visit.

Keith K. Smith, 7601 N. Hwy VV #95, Columbia, MO 65202 (573)443-1750.

Equipment:

Funai FC1300T TVCR with (cc) decoder.
Co-tenant's antenna.

November 1995			CST
19 tr	0326	KSNF 16 MO	174
		KYFC 50 MO	116
		K44DO 44 MO Osage Beach KNLJ-25	
		KMCI 38 KS	
		KDNL 30 MO	109
		KODE 12 MO Note #1	175
0340		KMBC 9 MO	116
		WHSN 46 MO	102
		KCTV 5 MO	116
		unID 13 Note #2	

Notes:

1. KMIZ-17 is carried on cable channel 12 here... my co-tenant's set is hooked up to it, but my set receives the spillover from the line. KMIZ was off at this time.

2. KRCC was off. Could this be WIBW?

If you see KNLJ-25 airing cartoons on Saturday afternoon, you're not seeing things... Larry Rice is putting on ch. 25 every syndic cartoon/kids show he can legally get his hands on, so the Saturday children's lineup goes from 6AM to 4PM, a full ten hours! (try saying that about any other TV station in the country!) KNLJ has picked up the kids' WB cartoons (but not the WB comedies); this apparently marks the end of full-power independent TV in the state of Missouri... every channel in the state now has at least one network affiliation! (KNLC-24 is affiliated with the Fox Kids Network, since KTVI-Z was too stubborn to

take it! I recently saw KOZK-Z1 running what appeared to be a Muppet drama with all pigs in it... but during 3-5AM... very unusual.

NOTE: the area code is not a misprint... as of January 8, the 573 area code will replace most of the area covered by 314, which will revert to the metro St. Louis region.

Danny Ogleshorpe, P.O. Box 6688, Shreveport, LA 71136-6688

Equipment:

JC Penny (RCA) 19" TV; Zenith Systems 3 19" TV; Goldstar GHV-1280M VCR w/RDX UA-75 UHF balun at input; Winegard PR-5040 VHF log at 18' AGL, Tandy RG-6QS, Channel Master 9510A rotor; Channel Master 4257 Quantum corner-yagi w/Winegard GA-4700 preamp at 28' AGL, Belden RG-6, Archerrotor B.

November 1995			UTC
18 tr	0432	WMAH 19 MS	319
		0445 WPMI 15 AL	355
		WMPV 21 AL	355
		0510 WXXV 25 MS	309
18 tr	1420	WBLT 22 MS	274
		WGNO 26 LA	274
		WNOLt 38 LA	
		1440 WEIQ 42 AL	355
		1445 WJTCt 44 FL	
		1455 WLOX 13 MS	319
20 Es	0255	unIDs 2,4 Mexico	
		1528 WPBT 2 FL	939
24 Es	2235	WUNDt 2 NC	
25 Es	0325	WESHt 2 FL	
		0340 WPBT 2 FL	939
		0345 WFOR 4 FL	939
		WPTV 5 FL	912
26 Es	0059	KTVQ 2 MT	1215
		0245 KWGN 2 CO	Note #1 806
		0248 KTHO 2 WY	996
		0315 KCWCt 4 WY	PBS
		tr 0430 KZTV 10 TX	385
		0445 XERV 9 TA	513
		0450 XHAB 7 TA	503
26 tr	0730	KTENt 10 OK	234
		0755 KCEN 6 TX	229
27 tr	0130	XERV 9 TA	513
		KZTV 10 TX	385
		0140 XHAB 7 TA	503
		0145 KGBT 4 TX	491
		KGNS 8 TX	481
		0150 KRGV 5 TX	501
		0245 KTBC 7 TX	277
		0330 KWTC. 10 TX	200

WesternTV DX (Danny Ogleshorpe's report continues)

December 1995				UTC
1 tr	2340	KAPT	13 AR	254
2 tr	0002	KTUL	8 OK	288
	0030	unID	7	
	0110	KWTV	9 OK	303
	0130	KETAT	13 OK	
3 tr	1515	KGEN	6 TX	229
		KLRN	9 TX	347
		KMTX	10 TX	200
		KGNS	8 TX	481
		KTBC	7 TX	288
	1530	KMOL	4 TX	347
	1600	KENS	5 TX	347
	1615	KETV	10 TX	385
4 tr	2325	KWTX	10 TX	200
Es	2330	KNAZ	2 AZ	1045
	2350	KVVU	5 NV	1238
	2359	KUTV	2 UT	1160
5 Es	0001	KSGit	4 UT ANC	
5 tr	1355	KTBC	7 TX	288
5 tr	1450	KENS	5 TX	347
	1505	KMOL	4 TX	347
	1535	KLRN	9 TX	347
	1645	KGNS	8 TX	481
	1720	KWTX	10 TX	200
		KGEN	6 TX	229
	1810	XEBRT	11 TA XEW	

Note #1 IDed by my wife Sandra while I was away from the TV.

November 1994 was a good month for TV-DX. November 1995 was probably better than this report indicates. I was away from the TV more than usual. Another problem was that I did not have a UHF antenna in operation throughout much of the month. The brand-new ArcherotorB broke down after only a few rotations! After taking the new UHF set-up down to replace the rotor, it took a while before I put it back up.

Fernando Garcia has informed me that there is indeed a channel 4 in Puerto Vallarta. Thank you, Fernando.

ERIC BUENEMAN (N0UIH), 631 Coachway Lane, Hazelwood, MO 63042-1347 phone (314) 839-9751 (Internet: EBSDJDX@aol.com)

Equipment:

Alaron 12-inch b&w television, Radio Shack VU-110 VHF/UHF/FM antenna with Archerotor at 33 feet above ground level.

All times CST, all distances in miles/kilometers.

December 14, 1995 (trop)

2322	WTVW	7	IN	Evansville ("Fox 7")	
					165/264
2323	K64DT	64	MO	St. Louis (back on w/ValueVision)	15/24
2324	WEVV	44	IN	Evansville (now CBS)	
					165/264
2324	WDRB	41	KY	Louisville ("Fox 41")	
					250/400
2325	WEHB	40	IN	Indianapolis	240/384
2326	WLKY	32	KY	Louisville	250/400
2326	W28CI	28	IL	Salem (3ABN //K48DN)	
					75/120
2328	WCEE	13	IL	Mount Vernon (not yet Christian)	110/176
2332	WKEF	22	OH	Dayton 340/544	
2335	WCFN	49	IL	Springfield (//WCIA-3)	
					80/128
2335	WXIN	59	IN	Indianapolis (w/"Danny Bonaduce")	240/384
2337	WKOI	43	IN	Richmond	300/480
2340	WXIX	19	KY	Newport/Cincinnati, OH (w/"Danny")	325/520
2345	WEHT	25	IN	Evansville (now ABC)	
					165/264
2358	WCLJ	42	IN	Bloomington	210/336

The big three-way switch has occurred in Evansville, with WTVW-7, long the ABC affiliate, switching to the Fox network. Longstanding CBS affiliate WEHT-25 switched to the ABC network, and WEVV-44 picks up CBS. I noted WTVW, along with WXIX-19 and WXIN-59 carrying "The Danny Bonaduce Show", but wasn't noted on the local Fox affiliate, KTVI-2. WCEE-13 is scheduled to go to a Christian format soon, having noted them still carrying "Star Trek-The Next Generation". All of the Evansville stations (except WFIE-14) were noted with Grade B signals, along with 40 and 59 from Indianapolis, as well as 19 from metro Cincinnati. K64DT is now back on the air after being dark for several months, still with ValueVision. Signal still weaker than K18BT, K58DH, and, to a lesser extent, K62EG (who have been stronger as of late, since they switched to EWTN). Also noted K48DN now on with 3ABN, as Keith Smith noted before moving to Columbia, MO, but on a different antenna heading than the other St. Louis LPTVs. K48DN is almost as strong as the other St. Louis LPTVs. Barring further trop, thus endeth the logbook for 1995. Total now at 207.

Fernando Garcia, Apartado 30, Suc B, Cd. Guadalupe, N.L., 67181 MEXICO
 Location 1800' ASL Time is CDT-1/CST ph. (8) 360-5874
 Sony 27EXR15, Screened CM 7dash at 85, RG11, UA900 amp.
 Sony K-V-13TR27, CM 1110 at 30, RG6. Archer V-110 vertical at 20'.
 CM 8 bay UHF array at 50' with R. Shack amp. Distances in miles.
 No tropo re-logs under 700 miles or logged previous 24 hr.

September 1995 CDT-1=MDT

27 tr	0600	K40DX	40 TX	460	Abilene Telemundo
	0700	KIDY	6 TX	411	Local out
28 tr	0630	KTLC	43 OK	705	KTBO 14 OK 705
29 tr	0100	WMPV	21 AL	839	WMAH 19 MS 771
		WUPL	54 LA	705	WPAN 53 FL 870
		WPMI	15 AL	836	WBDB 40 MS 749
	0115	WMAW	14 MS	802	WHOA 32 AL 926
		WHSB	63 GA	1119	WHBR 33 FL 836
	0145	WTDL	27 FL	1029	WTWC 40 FL 1029
		WBSG	42 AL	963	WMGT 41 GA 1116
		WPGA	58 GA	1100	WFGX 35 FL 889
		WATL	36 GA	1103	WGNX 46 GA 1103
		WTJP	60 AL	998	WJSP 28 GA 1057
	0600	WGBC	30 MS	830	WEIQ 42 AL 823
		WIIQ	41 AL	873	WFXL 31 GA 1066

After a disappointing report for August and most part of September, I got back into a 1100+ miles tropo DX.

30 tr	0630	KWHB	47 OK	764	KFTO 41 OK 764
	0730	KDEB	27 MO	904	KSPR 30 MO 907
	0815	KOKI	23 OK	764	KOZK 21 MO 907

October 1995 CDT-1=MDT

4 tr	0445	KTBO	14 OK	705	KAUZ 6 TX 579
	0500 +	KTLC	43 OK	705	KOKH 25 OK 702
	0515	KSAS	24 KS	855	KWHB 47 OK 764
	0545	KWTV	9 OK	702	KETA 13 OK 703
	0630	KFTO	41 OK	764	
Es	1900	unid ch 3	CUBA		1915 \$ WESH 2 FL 1178
	1930	WEDU	3 FL	1116	*OPAL hurricane DX
5 tr	0615	WUPL	54 LA	705	0700 XHDH 11 YU 780
7 tr	0715	XHDH	11 YU	780	
8 tr	1200	WMPV	21 AL	839	rare time
9 tr	0500	KWTV	10 TX	438	audio over local
		WXXX	25 MS	761	WPMI 15 AL 836
	0515	WMAH	19 MS	771	WUPL 54 LA 705
	0530	WPAN	53 FL	870	WBDB 40 MS 749
		WMPN	29 MS	743	WEIQ 42 AL 823
	1900	KARD	14 LA	653	WMAW 14 MS 802
	1915	WAPT	16 MS	749	
10 tr	0545	WBDB	40 MS	749	0600 WMPN 29 MS 743
		WUPL	54 LA	705	1900 WJSU 40 AL 1025
		WGBC	30 MS	830	\$ WTTO 21 AL 970
		WBSG	42 AL	963	1915 WVEU 69 GA 1100
		WTJP	60 AL	998	\$ WATL 36 GA 1103
		WGNX	46 GA	1103	\$ WIIQ 41 AL 873
	1930	unid ch 49	TBN		\$ WMAW 14 MS 802
		WHNT	19 AL	1029	1945 \$ WAPT 16 MS 749
	2000	WEMT	39 TN	1258	*You are locked to FOX 39 WEMT
	2030	WHSB	63 GA	1119	WMDN 24 MS 833
	2045	WTLK	14 GA	1103	WVTM 13 AL 970
	2100	WTOK	11 MS	833	

Strong tropo signals from North Alabama-Atlanta, a big surprise was the catch of WEMT-39 from eastern Tennessee. I'm close to get tropo from Kentucky, Virginia and North Carolina (most wanted states via tropo)

11 tr	0530	WMAH	19 MS	771	\$ WXXX 25 MS 761
	0545	WBDB	40 MS	749	0600 \$ WMPN 29 MS 743
		WUPL	54 LA	705	\$ WHLT 22 MS 771
	0630	Birmingham	21, 42 & 1041	FM up to 90.7 MHz	
12 Es	1900	XHBC	3 BN		
18 tr	0600	WBDB	40 MS	749	0645 WGBC 30 MS 830
	0730	KTX	5 TX	558	TEXAS # 170
	0745	WAPT	16 MS	749	
	0930	K41CA	41 TX	611	Kress KFDA-10
		K36CC	36 TX	611	Kress lptv
19 tr	0200	KTBO	14 OK	705	KWHB 47 OK 764
	0600	KTLC	43 OK	705	0615 KOKH 25 OK 702
	0630	K30	30 TX		ANC n-w
		K40	40 TX		Lubbock hdn
21 tr	0800	XHDH	11 YU	780	XHTP 9 YU 780
		XHMEY	7 YU	780	Merida XHMT-7
Es	1730	El Salvador	chs 2, 4	1100	
22 tr	0200	WTTA	38 FL	1116	WBFS 50 FL 1116
		WBRW	63 FL	1193	\$ WFTS 28 FL 1116
	0215	WUPL	54 LA	705	0230 & WWSB 40 FL 1106
		WTGL	52 FL	1200	0600 WACX 55 FL 1181
		WMPN	29 MS	743	WDBD 40 MS 749

22 tr	0630	\$ WXXV	25 MS	761	0700 WPMI 15 AL 836
		WLOX	13 MS	758	0745 WAPT 16 MS 749
	1945	WMPV	21 AL	839	WPAN 53 FL 870
	2045	WHBR	33 FL	836	WEIQ 42 AL 823
	2100	WNFT	47 FL	1178	2115 \$ WMAH 19 MS 771
		WMAW	14 MS	802	2130 \$ WGBC 30 MS 830
	2200	WAW	30 FL	1178	WJEB 59 FL 1178
	2245	WTOK	11 MS	833	FOX ex ABC
	2300	WMDN	24 MS	833	2315 W52BF 52 AL 830
	2330	WFXL	31 GA	1066	

23 tr	0200	& WPGA	58 GA	1100	@ WTWC 40 FL 1029
		WTDL	27 FL	1029	0215 @ W14E 14 LA 705
		WHOA	32 AL	926	@ WTAT 24 SC 1330
		WATL	36 GA	1103	WHSB 63 GA 1119
0230		WGNX	46 GA	1103	WTGS 28 SC 1221
		WPGX	28 FL	951	\$ WVEU 69 GA 1100
		WMCX	45 AL	966	0245 ch 64 Home Shopping
		WSTT	55 GA	1078	\$ WUPL 54 LA 705
0300		unid ch 25	TBN		@ WGLT 38 GA 1035
		WXTX	54 GA	1035	0315 @ WGXA 24 LA 1116
		WSWS	66 AL	1023	unid ch 39 Rel
		WABM	68 AL	966	0330 @ WMGT 41 GA 1116
		WDHN	18 AL	982	WFGX 35 FL 889

unid ch 64 "Gold channel"
 @ \$ WRAZ 50 NC 1457 new tropo state, longest tropo
 "GOTTA SEE THE Z"

0345	@ \$ WTTT	21 AL	970	WCOV 20 AL 954
	@ \$ WCES	20 GA	1196	\$ WSP 28 GA 1057
	unid ch 68	Rel		+ \$ WFSB 56 FL 929
	\$ WABW	14 GA	1047	\$ WBMG 42 AL 963
	WACS	25 GA	1041	0415 WJW 16 SC 1271
	WBEA	14 SC	1243	SC ETV
	@ \$ WAIQ	26 AL	960	@ WTJP 60 AL 998
	@ \$ WUNJ	39 NC	1432	UNC TV WILMINGTON
0430	WWSA	12 AL	954	@ WGIQ 43 AL 985
	WJSU	40 AL	1025	0445 WBS 17 GA 1100
	@ \$ MS educ	14, 19, 29	700+	WMBB 13 FL 960
	WDSI	61 TN	1106	WQIA 11 GA 1103

0445	unid ch 65	World Harvest TV
0500	\$ WNCN	36 NC 1313
	unid ch 53	"KCB-TV" Ment. of Pensacola WPAN?
0515	WVTM	13 AL 970
0545	W51BY	51 AL 970
	W55BM	55 GA 1109
		Marietta TBN
0600	WIIQ	41 AL 873
0615	WCFE	33 AL 923
	unid ch 52	Columbus?
0630	W67CJ	67 GA 1100
0700	WFTI	50 TN 900
	WBDB	40 MS 749
	WAPT	16 MS 749

With this super opening I got my longest tropo signals to date surpassing the 1400 miles and getting first time tropo from North Carolina (previous via Es). Many stations were running bars (Monday morning) making it easier to get IDs. It peaked around 6 AM getting WRAZ near snow free. I saw weather report with high pressure area on the Atlantic coast between North Carolina and South Carolina and a cold front reaching the area.
 Es 1900 WPBT 2 FL 1243 2000 WJXT 4 FL 1243

November 1995 CST

2 tr	0700	% K24	54 TX	"TransGuide LPTV test, channel 54"
		Logged again on Nov. 9,		suspect located northwest of Laredo
9 tr	0630	WUPL	54 LA	705
	0715	WXXX	25 MS	761
12 tr	0630	WMTV	32 FL	1134
		WACX	55 FL	1181
		WRBW	63 FL	1193
		WFTX	36 FL	1140
		WEVU	26 FL	1133
	0830	WBHS	50 FL	1116
		WTTA	38 FL	1116
	2200	WFLA	8 FL	1116
	2330	WMPV	21 AL	839
13 tr	0000	\$ WMAH	19 MS	771
		WPMI	15 AL	836

DFW cha 27 and 39 are now in Stereo (\$), ch 39 SAP is the same as MAIN
 Houston KRIV-39 is ID as WB39
 Houston KRIV-26 has spanish translations on some programs on SAP
 WTTA-38 has a talk programming on SAP
 Corpus Christi K45DB has change programming from Channel America to N-1 NET, and now to VJN
 \$ MTS-Stereo % Unid Bars & Misc. Test Patterns
 @ ID Bars + \$ On

EASTERN TV-DX

Stephen West
1077 Sandy Narrows Court
Virginia Beach, VA 23454

Deadline: 5th

A few reports from some of the diehard regulars indicates some tropo and some skip around for the dedicated DXers.

Jeff Wolf, 14302 Astrodome Drive, Silver Spring, MD 20906

October 1995 (from Drury Rd.)

24 tr 0112 WLIG-55 NY
0159 WHAI-43 CT (t)
WLIW-21 NY (t)
0205 WBRE-28 PA
WHSI-67 NY
0208 WTBY-54 NY

November 1995 (from new location)
4 gw 1750 UNID-15 3/4 CB

Comments: Not much DX here -
locals are stronger at the new
QTH. Tropo from WBOC-16 MD,
WHRO-15 VA & WWBT-12 VA are common.

RICK SHAFTAN, 217 GREEN ROAD, SPARTA NJ 07871
201-726-8114.

ICOM R-7000 RECEIVER WITH VIDEO ADAPTER. GE VCR. SYLVANIA
19" COLOR TV. JERROLD 19 ELEMENT VHF ANTENNA, CHANNEL MASTER
7' DISH. AERIALS 70' AAT. Winegard amps for FM and TV.
1000' ASL.

My first report with the ICOM ultimate DX machine. It's
quite impressive. I've noted with an asterisk the Icom new
ones from 8/6 that I can get all the time here.

Note, 34 Binghampton NY is off the air.

8/1 Tr.
1105 20 WUTR, Utica NY, ABC

8/2 Es
1857 2 CKPR, Thunder Bay ON TBT-Thunder Bay
Television.
1900 2 CBWFT, Kenora ON French

8/6 Tr. w/Icom
0913 21 *WXXI, Rochester NY Separate from NY.
1001 64 *WNAC, Providence RI While pointing at WMBC
channel 63 two miles away.
1200 8 *WMTW, Poland Spring ME "A look at the week in
Maine."
1318 33 *WETK, Burlington VT PBS
1851 66 WBSH, Marlborough MA HSC
1909 16 WNPE, Watertown NY PBS
1917 18 *CICOTV74, Peterborough ON French
1930 29 *WUTV, Buffalo NY
2020 40 *WGGB, Springfield MA
2036 7 WVNY, Carthage NY CBS
2102 17 *WNED, Buffalo NY
2107 23 *WNEQ, Buffalo NY
2110 27 *CIII27, Peterborough ON
2140 23 WATM, Altoona PA ABC. Also, 25/31
Hagerstown are regulars.
2231 48 W48--, ?????? PA Zero offset//57 Philly,
towards Allentown.
2242 62 WFPT, Frederick MD
2359 23 WIXA, Albany NY Fox promo

8/7 Tr.
0011 25 CBLEF, Toronto ON Weak
0021 54 W54--, ?????? PA -10khs offset to SW //57
Philly.
1132 59 MTVU, New Haven CT. 6,8,10,12 Richmond area all
regulars.
2138 29 WVIA, Charlottesville VA NBC, a regular.

Rich Shafter (cont.)

8/7 tr

2200 47 **WKBS**, Altoona PA religion
 2315 12 **WBOY**, Clarksburg WV Calls

8/8 Tr.

0100 19 **WOIO**, Shaker Heights OH CBS, nice ID later
 for photo.

0130 6 **WJAC**, Johnstown PA NBC
 0140 6 **CIII-TV**, Paris OH //27 Peterborough
 0156 23 **WAKC**, Akron OH Jenny Jones and ABC.

North Ohio News Hour.

0200 17 ????? Religion to NW, -10khs offset.
 0251 25 ????? PBS. Cleveland? +10 offset.

2003 10 **WSLS**, Roanoke VA. ID
 2106 36 **WCNC**, Charlotte NC NBC
 2110 42 **WTVI**, Charlotte NC PBS
 2120 27 **WFXR**, Roanoke VA Fox
 2140 12 **WXII**, Winston-Salem NC NBC
 2148 7 **WDBJ**, Roanoke VA CBS
 2200 18 **WCCB**, Charlotte NC

8/11 Tr8

1800 18 **WNPI**, Norwood NY

8/16 Felix Tr.

0645 15 **WPDE**, Florence SC In for an hour
 0656 5 **WRAL**, Raleigh NC Carolina Calendar
 0658 11 **WTVD**, Durham NC Fayetteville ad
 0811 48 **W48AW**, Washington DC //41 NY
 0818 58 ?????, ????? National Empowerment

Television to the NE

0820 64 **W64BW**, Washington DC Telemundo
 0830 65 **WAWB**, Ashland VA WB
 0850 13 **WBTV**, Florence SC CBS over Baltimore with
 same on same offset. IDed at weather break.
 0951 17 (WNCN), Goldsboro NC =to Philly in strength.
 1000 40 **WKFT**, Fayetteville NC ID

8/23 Super Tr..

2218 45 **WNEO**, Alliance OH PBS

8/24 continued

0000 18 **WHIZ**, Zanesville OH NBC
 0005 20 **WFYI**, Indianapolis IN PBS
 0010 26 **WTJC**, Springfield OH HSC
 0012 27 **WKBN**, Youngstown OH CBS
 0015 30 ????? PBS w/-10 offset. Maybe Bloomington IN?
 0020 36 **WGPT**, Oakland MD Charlie Rose
 0022 33 **WYTV**, Youngstown OH Rush
 0028 46 ????? PBS w/zero offset. Lexington KY or

South Bend IN?

0030 50 ????? Infomercials to West. Zero offset. Gary
 IN?

0040 53 **WPGH**, Pittsburgh PA Fox promo
 0042 25 **WVIZ**, Cleveland OH PBS Concert
 0046 40 **WMBE**, Indianapolis IN Religion
 0050 12 **WICU**, Erie PA On top
 0054 18 **WLFI**, Lafayette IN Local ads
 0104 29 ?????, -10 khs. offset. Local ads. Maybe Kokomo
 IN?
 0105 8 **WJW**, Cleveland OH ID
 0110 35 **WSEE**, Erie PA Snyder
 0115 36 **WUPW**, Toledo OH Not Elmira w/Psychic Hot Line.
 0121 43 **WUAB**, Lorain OH Star Trek over York.
 0133 17 **WDLI**, Canton OH TBN
 0137 42 **WCLJ**, Bloomington IN TBN
 0140 45 **WRGT**, Dayton OH Not Baltimore w/a Rocky film.

Rich Shaftan (cont.)

8/24 Super tr

0213 33 **WKJG**, Fort Wayne IN local ad
 0230 9 **WTOY**, Steubenville OH onscreen ID for photo.
 0239 21 **?????**, HSC, -10khz offset. Youngstown OH?
 0249 55 **WBNX**, Akron OH HSC

8/28 Tr.

0031 35 **CFJR**, Montreal PQ French
 0044 22 **WVNY**, Burlington VT Star Trek

9/1 Tr.

1218 51 **WVPT**, Staunton VA PBS

9/30 Tr.

2052 8 **WNCB**, Johnstown PA Solid for photo
 2100 11 **WPXI**, Pittsburgh PA over NY
 2100 13 **WQED**, Pittsburgh PA Bill Moyers
 2108 16 **WQEX**, Pittsburgh PA PBS
 2218 15 **?????** PBS w/Zero offset. Louisville?

10/1 Tr.

0029 6 **CIIIIV**, Paris ON NBC/HBO Showcase
 0119 41 **CIIITV41**, Toronto ON
 0122 47 **CFMTTV**, Toronto ON Japanese ad
 0127 49 **WJYE**, Buffalo NY TBN
 0130 57 **CITY**, Toronto ON Baseball
 0224 40 **WPCB**, Greensboro PA //47 Cornerstone
 1248 9 **CBOT**, Ottawa ON French o/NY
 1250 4 **?????** Religion o/NY, +10khz offset
 1258 4 **CBOT**, Ottawa ON Country Canada on CBC

10/2 Trs

0200 9 **WMUR**, Manchester NH Local shows, ID.

62 more new ones. Been busy with work through Oct. and early November. Let's see how the ICOM works for that early winter scatter.

Dave Nieman - Ho Sta Geh Road - Rock City New York 14749

Equipment Teknika 6510 tuner into a RCA 19" b&w TV. Channel Master 3617B VHF antenna at 15 feet AGL on a Radio Shack rotor. Belden RG-6 coax feed into a Winegard FT-7600 FM trap (set to 95.7MHz) and Winegard DA-205 distribution amp. Antennacraft P-7 UHF antenna at 70 feet AGL on a Alliance HD-73 rotor. Winegard PA-4975 preamp and Belden RG-11/u coax feed.
 All loggings are new.

October 1995

9 Tr 0830 W50BF PA 114
 Sharon (WPCB-40)

October 1995

28 Tr 1600 W14?? PA ??
 see note #1

November 1995

25 Tr 0758 WKMR-38 KY 371
 0759 WTVQ-36 KY 416
 0829 WPBO-42 OH 329
 see note #2

NOTE:

- Channel 14 seen Saturday the 28th afternoon with 'TBS' logo and programming that was time shifted Sunday morning running 'Nick at Nite'. The station location I would guess to be in Pennsylvania. Antenna heading is 150°. Signal is weak with some fading (at the top & bottom of the hour) but never a total fade out. About three weeks earlier I seen a channel 14 carrying WGRZ-2 Buffalo. Best reception was in the direction of WGRZ's tower (355°). This signal also faded in and out. Are both channel 14s nothing more than someone's wireless rabbit?
- Channel 42 IDing as WOSU channel 34 Columbus. WPBO Portsmouth is listed as the only channel 42 in Ohio.

Some TV E-skip noted on November 16th and 21st. Fair morning and evening tropo enhancement through October and November with reception out to 400+ miles on occasions.

Dave

Doug Smith, 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098

Equipment: Sears 19" color stereo TV; Archer VU-160 for VHF; RS corner-reflector for UHF, with CM-7475 preamp.

October 1995 DX

10 Tr 0011 New Orleans 20/26/32/38/49 (475) (note #1)
 Jackson MS 16/29/40 (340)
 0034 KNOE-8 LA (406)
 17 Gw 0930 WJFB-66 TN (42) (note #2)

Note #1: WUPL-54 probably not seen. Sync bars were in but Huntsville was also up, it was probably WZDX.

Note #2: Lebanon local back on the air after about 3 years. Running Weather Channel with frequent supered IDs. In this same area, WNAB-58 is expected on sometime in November, as a WB affiliate. Their antenna is in place, and they've begun hiring staff.

Comments:

Not much to report, it's been FLAT!

Regarding some other reports in the November column..

In William Hepburn's report, about a tentative W17BE-NJ, this station is no longer listed. (nor is any other 17 in NJ) I wonder if it could be W17BM NYC? This LPTV has been sold, and I don't know what it's running these days.

In William Wyllie's report, the ATV-2 is probably CKCW-2 Moncton.

In Saul Chernos' report, the W61 Buffalo with music videos is W61CA.

In Dave Nieman's report, regarding the WNEP-16 translators in State College, I list channels 36 and 39 as having identical technical facilities! My best guess is their directional antennas beam in different directions to cover different parts of the city.

In Russell Miller's report, to my knowledge WFME-66 is not yet on. I wonder if he saw one of the LPTVs in your part of the country? Or WSHS with a religious program? I also find nothing that makes sense as a WJAR-10 translator on 14. (nor can I find any 14 relaying a 10, except in Idaho!)

William R. Hepburn, 35 Lockwood Rd, BRAMPTON, ON, CANADA L6Y 4T7

Equipment: Panasonic PC-29XF40R TV, JVC HR-D630U VCR & IC-R100 Scanner, CM VHF & UHF Yagis @ 47', 10 db RS VHF amp, 28 db Anteco UHF amp.

OCTOBER 1995 (EDT)

10 TR 0630 {WWJ}-62 MI 191
 ex-WGPR
 13 TR 0925 W50BE-50 OH 248
 // WMFD-68
 0928 W51BI-51 OH 163
 Kirtland-Cleveland
 (WDLI-17)
 21 MS 0602 unid-2 u/WGRZ
 23 TR 0614 WWUP-10 MI 269
 Sault Ste Marie
 "TV 9 & 10"

NOVEMBER 1995 (EST)

21 ES 1246 KETS-2 AR 919
 1259 KARK-4 AR 914
 1300 WSIL-3 IL 633
 Harrisburg-Marion-
 Carbondale
 29 ES 1235 unid-2 (via tape)

Comments: My first ES with my new outdoor antenna setup. Signal strengths almost exactly equal to my simple attic dipoles..but of course there was less co-channel QRM & CCI because of the yagi's directional properties. Channels 3 & 6 will especially benefit with the yagi (local ch 5 as well I guess). Also, for some reason, the signals from a 2300 bearing were actually strongest at a 2600 bearing. Perhaps this has to do with how the signals are being reflected off the ES cloud (geometry, angles of incidence, etc).

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221

e-mail: coniglio@geog.buffalo.edu

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada
JANUARY 1996 — DEADLINE: The 5th — LOG CUTOFF: 3 months from postmark

HAPPY NEW YEAR!

DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

Equipment: Carver TX-11 tuner, IF filter modified. Channel Master model 4408 (Stereo Probe 9) at 77 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz. Belden RG-11/u coax feed.
All loggings are new.

OCTOBER 1995 DX

14 troposcatter

1255 WMXB 103.7 VA Richmond, ID+B-103.7, m\$ 314

NOVEMBER 1995 DX

5 tropo

1005 WEXC 107.1 PA Greenville, lcl rx, r\$ 109

19 tropo

1355 WOVE 102.5 PA Pittsburgh, 102.5.DVE, op\$ 132
over WMJQ Buffalo

NOVEMBER 1995 DX

25 tropo

0447 WJIK 90.1 NY Binghamton, call, grM, 129

WPSB Kane PA off for the night

0500 WVMN 90.1 OH Ashtabula, ID, gM 119

in WCRF 103.3 family of stations

Winter has come to the hills of south western New York. The White Tail Deer and wild Turkey have moved down to the sheltered valleys and the Black Bear are hibernating. With daily high temperatures hovering around freezing and overnight lows of 10° or lower, we won't see the grass until mid April. Snow cover as of November 25th is at two foot and climbing. Despite all the negative signs, the FM band is still proving to be active. On November 19th I had some very good tropo enhancement to the Pittsburgh area but only one new logging out of it.

I'm not to sure on the calls for 90.1 Ashtabula Ohio; the signal was excellent. I just wasn't paying attention.

Dave

MICHAEL LA ROQUE - 38 STEED CRESCENT - DARTMOUTH, NOVA SCOTIA B2V 1L8

Equipment: Onkyo FM Stereo Tuner T-9090 II, Magnum Dynalab 205 FM amplifier + Stereo Probe 9 FM yagi antenna at 20', Radio Shack Rotor

SEPTEMBER 1995 DX

15 Tr

2115 WMED 89.7 ME Calais, c 192

2140 WMEM 106.1 ME Presque Isle, c 267

2138 WBPW 96.9 ME Presque Isle, k 267

2149 CIBM 107.1 PQ Rivière du Loup, d 360

2200 CKLE 92.9 NB Bathurst, dance 235

2201 CKLQ 93.1 PEI Charlottetown, k 115

2300 WAVX 106.9 ME Thomaston, c 290

2320 unID 99.1 commercials

16 Tr

0200 CBIC 107.1 NS Cheticamp, c 180

0200 CBD 91.3 NB St. John, c 135

0202 CKRO 97.1 NB Inkerman, FF 215

17 Super Tr

0130 WMCM 103.3 ME Rockland 287

0131 WAVX 106.9 ME Thomaston 290

0244 CBAF9 107.3 NS Yarmouth 142

0254 CJLS 96.3 NS Barrington 128

0301 CBGA 89.3 PQ Gaspé 300

0305 WMED 89.7 ME Calais 192

0325 CIEU 94.9 PQ Carleton

SEPTEMBER 1995 DX

17 Tr cont.

1338 WEZQ 92.9 ME Bangor 267

1645 CBN 106.9 NF St. John's, c 565

1646 CBAF 105.9 NF St. John's, FF 565

1646 CBNM 90.3 NF Marystown, c 433

2030 CKIX 99.1 NF St. John's, k 565

2133 CHOZ 94.7 NF St. John's, rock 565

2155 CIOZ 96.3 NF Marystown, rock 433

18 TR

2225 CJLS 96.3 NS Barrington, mr 128

2226 CBHY 92.1 NS Yarmouth, c 142

2228 CBAF 107.3 NS Yarmouth, FF 142

2310 CBGA 89.3 PQ Gaspé, FF 300

2328 WMED 89.7 ME Calais, ME Public R. 192

2330 WMEA 90.1 ME Portland 347

2348 WMEH 90.9 ME Bangor 267

WRIQ 101.7
FM Stereo

Mike LaRoque's report continued ...

SEPTEMBER 1995 DX20 Tr. with NF in again!!

0740	CJLS1	93.5	NS	New Tuskett	135
0754	WBLM	102.9	ME	Portland, hard rock	347
0759	CKDY	103.3	NS	Weymouth	127
0803	WERU	88.9	ME	Blue Hill	257
0814	WEZQ	92.9	ME	Bangor, b	267
0815	CKLE	92.9	NB	Bathurst, FF	235
0817	WWMJ	95.7	ME	Ellsworth, o	247
0828	WSYY	94.9	ME	Millinocket	260
0830	WAVX	106.9	ME	Thomaston, c	290
2101	CBN	106.9	NF	St. John's, c	565
2101	CBAF	105.9	NF	St. John's, FF	565
2107	CHOZ	94.7	NF	St. John's, rock	
2110	CBNM	90.3	NF	Marystown, c	433
2207	CKIX	99.1	NF	St. John's k	565

21 Tr

2312	CIEU	94.9	PQ	Carleton, FF	280
2313	CKLE	92.9	NB	Bathurst, FF	235

22 Super Tr

0014	WMED	89.7	ME	Calais, c	192
0015	WMEA	90.1	ME	Portland, c	347
0016	WMEH	90.9	ME	Bangor, c	267
0033	CBGA	89.3	PQ	Gaspé, FF	300
0046	CBHY	92.1	NS	Yarmouth, c	142
0053	unID	93.7		CBC English?	
0056	WWMJ	95.7	ME	Ellsworth, o	247
0100	WCME	96.7	ME	Boothbay Harbor, k	308
0102	WAVX	106.9	ME	Thomaston	290
0108	WBLM	102.9	ME	Portland, p	347
0119	WZPK	103.7	NH	Berlin	387
0141	WYOU	97.1	ME	Bangor, k	267
0146	(WCYI)	93.9	ME	Lewiston, p, ex WXGL	335
0152	WMDI	107.7	ME	Bar Harbor, o	232
0206	WLKE	99.1	ME	Bar Harbor, k	232
0258	CBAF9	107.3	NS	Yarmouth, FF	147
1908	CLOS	98.5	NF	Stephenville	360
1936	CBVM	95.3	PQ	Cap-aux-Mueles, FF	203
2000	CBAP	100.3	NS	Shelburne	107

25 Tr

2301	WERU	88.9	ME	Blue Hill, j	257
2304	WQDY	92.7	ME	Calais, rm	192
2326	WWMJ	95.7	ME	Ellsworth, o	247
2332	CBAF	103.9	NS	Cheticamp (82 watts)	190

27 Tr

0142	WQCB	106.5	ME	Brewer, k	266
0106	WEZQ	92.9	ME	Bangor, b	267
0204	WMEM	106.1	ME	Presque Isle, c	
0207	WHCF	88.5	ME	Bangor, g	267
0209	CBGA	89.3	PQ	Gaspé, FF	300
0210	WMEH	90.9	ME	Bangor, c	267
0210	CJLS1	93.5	NS	New Tuskett, rm	130
2145	WQDY	92.7	ME	Calais, rm	192
2158	WERU	88.9	ME	Blue Hill, j	257

30 Super Tr

0130	WBOS	92.9	MA	Brookline	407
0139	WCSO	97.9	ME	Portland	347
0142	WSSH	99.5	MA	Lowell	427
0201	WSNE	93.3	MA	Taunton	437
0204	WHJY	94.1	RI	Providence	452
0210	WXKS	107.9	MA	Medford	400

30 Super Tr cont.

0216	WAVX	106.9	ME	Thomaston	292
0224	WKLB	105.7	MA	Framingham	437
0234	WXTK	94.9	MA	W. Yarmouth,	394
0239	WMDI	107.7	ME	Bar Harbor	245
0248	WAAF	107.3	MA	Worcester	451
0300	WWRX	103.7	RI	Westerly	475
0311	WBOQ	104.9	MA	Gloucester, c	392
0330	WCOD	106.1	MA	Hyannis	393
0335	WHCN	105.9	CT	Hartford, NEW STATE	515
0340	WPLM	99.1	MA	Plymouth	407
0354	WMED	89.7	ME	Calais, c	192
0416	WMEA	90.1	ME	Portland, c	347
0416	WMEH	90.9	ME	Bangor, c	267
0420	WWLI	105.1	RI	Providence	452
0430	WXRV	92.5	MA	Haverhill, The River	407
0435	WCYI	93.9	ME	Lewiston, ex: WXGL	337
0437	WWMJ	95.7	ME	Ellsworth, o	245
0439	WYOU	97.1	ME	Bangor, k	267
0444	WRGW	98.7	NH	Somerworth, rm	390
0451	WGIR	101.1	NH	Manchester, Rock 101	417
0455	WWBB	101.5	RI	Providence	452
0458	WCRB	102.5	MA	Waltham, c	430
0505	WBUR	90.9	MA	Boston, j	407
0526	WQSS	102.5	ME	Camden, Coast 102.5	
0529	WODS	103.3	MA	Boston, Oldies 103	407
0540	WWKX	106.3	RI	Woonsocket, Kix 106	452
0541	WHOB	106.3	NH	Nashua, B106.3	429
0546	WOCB	106.5	ME	Brewer, k	267
0547	WPKM	106.3	ME	Scarborough, c	352
0630	WQDY	92.7	ME	Calais, rm	192
0644	WHQO	107.9	ME	Skowhegan, rm	317
0654	WEGQ	93.7	MA	Lawrence, Eagle 93.7	412
0706	WDGE	99.7	RI	Wakefield, The Edge	459
0711	WCKG	101.3	ME	Augusta, k	327
0712	WVZD	102.9	ME	Dennysville	182
0717	WLKO	104.5	MA	Fitchburg	457
0742	WLKZ	104.9	NH	Woolboro, Oldies 105	397
0750	WRKI	95.1	CT	Brookfield	558
0803	WRTY	91.1	PA	Jackson Twp. j	650
0814	WCTK	98.1	MA	New Bedford, k	437
0822	WKZS	99.9	ME	Auburn, Kiss 100	342
0828	WBLM	102.9	ME	Portland	347
0827	WRIU	90.3	RI	Kingston	460
0830	WMJV	105.5	NY	Patterson, NEW STATE	565
09??	WIHS	104.9	CT	Middletown, g (tent)	521
0936	WZMX	93.7	CT	Hartford	515
0942	WNYC	93.9	NY	New York	596
1014	WBMX	98.5	MA	Boston	407
1018	WBQQ	99.3	ME	Kennebunk W-Back	362
1032	WKCI	101.3	CT	Hamden, KC101	532
1034	WCBS	101.1	NY	New York	596
1041	WEBE	107.9	CT	Westport, We Be 108	560
1046	WHOM	94.9	NH	Mt. Washington, rm	387
1517	WFHN	107.1	MA	Fair Haven, Fun 107	434
1700	WGBH	89.7	MA	Boston,	407
1741	WERS	88.9	MA	Boston, j	407
1743	WERU	88.9	ME	Blue Hill, j	245
1808	CHOZ	94.7	NF	St. John's	565
1809	CBVM	95.3	PQ	Cap-aux-Mueles, FF	203
1813	WBOS	96.9	MA	Boston, k	407

Mike LaRoque's report continued ...

SEPT 30, Tr cont.

1821	WLKE	99.1	ME	Bar Harbor, k	245
2030	WZID	95.7	NH	Manchester	417
2050	CBAF17	105.9	NF	St. John's	565
2050	CBN	106.9	NF	St. John's	565
2129	WCDQ	92.1	ME	Sanford	363
2139	WCYY	94.3	ME	Biddeford, ex: WSTG	357
2145	WCME	96.7	ME	Boothbay Harbor	312
2208	WZLX	100.7	MA	Boston, o	407
2224	WZEA	102.1	NH	Hampton	385
2256	WERZ	107.1	NH	Exeter	382
2300	WCLZ	98.9	ME	Brunswick	347
2306	WMSJ	91.9	ME	Harpwell, g	323
2318	WBYA	101.7	ME	Searsport	325
2326	WBCN	104.1	MA	Boston	407
2344	WTHT	107.5	ME	Lewiston, k	337
????	WXBB	105.3	ME	Kittery, (Mike, this is your Arrow 105.3 unID-gc)	

OCTOBER 1995 DX1 Super Tr

0014	WCQL	95.3	ME	York Center	382
0201	WJYY	105.5	NH	Concord	417
0209	WMEM	106.1	ME	Presque Isle	260
0305	WJJR	98.1	VT	Rutland	487
1742	CKIX	99.1	NF	St. John's	565
1800	CBNM	90.3	NF	Marystown	433
1805	WWMJ	95.7	ME	Ellsworth, o	247
1805	WCSO	97.9	ME	Portland, mr	347
1927	CIOZ	96.3	NF	Marystown	433

2 Tr

2225	WAVX	106.9	ME	Thomaston, weak, c	
2255	WEZQ	92.9	ME	Bangor, m	267
2256	CKLE	92.9	NB	Bathurst, FF	210
2257	WMEA	90.1	ME	Portland, c	347
2258	WMEH	90.9	ME	Bangor, c	267
2258	WMED	89.7	ME	Calais, c	192

5 Tr

0222	C????	106.1	NS	Cheticamp, FF	
0246	WLKE	99.1	ME	Bar Harbor, k	247
0249	CJYC	98.9	NB	St. John	120
0250	CBI	105.1	NS	Sydney, CBC Stereo	190
0250	CBAF	95.9	NS	Sydney, FF	190
0251	CBA	95.5	NB	Moncton	120
0257	CKPE	94.9	NS	Sydney, k	190

14 Tr

0120	WHQO	107.9	ME	Skowhegan, m weak	317
01??	WTOS	105.1	ME	Skowhegan, w/CBI	317
01??	CBI	105.1	NS	Sydney,	190

17 Trs

2020	CIEU	94.9	PQ	Carleton, FF	280
2221	CKPE	94.9	NS	Sydney, k	190
2222	WSYY	94.9	ME	Millinocket	260

18 Tr & Au

1828	WMEA	90.1	ME	Portland	347
1831	WERU	88.9	ME	Blue Hill	257
1840	WHJY	94.1	RI	Providence,	452
1848	WRVO	89.9	NY	Oswego, NPR	657
1920	WQED	89.3	PA	Pittsburgh, c	875
1952	WKCQ	101.3	ME	Augusta, k	317
2000	{WBBX}	97.1	ME	Bangor, ex: WYOU	267
2012	WXKS	107.9	MA	Medford	400

OCTOBER 1995 cont.18 Tr/Au Cont.

2026	WODS	103.3	MA	Boston, o	407
2038	CBNM	90.3	NF	Marystown, c, weak	433
2041	CKLE	92.9	NB	Bathurst	210
2114	WBMX	98.5	MA	Boston	407
2122	WZLX	100.7	MA	Boston	407
2223	WCTK	98.1	MA	N. Bedford, Kat k	437
2225	WQRC	99.9	MA	Barnstable, j	392
2303	WGBH	89.7	MA	Boston, j	407
2351	WWMJ	95.7	ME	Ellsworth, o	257
2358	WEZQ	92.9	ME	Bangor, rm	267
2133	WWRX	103.7	RI	Westerly	475
2137	WWLI	105.1	RI	Providence	452
2151	WKSQ	94.5	ME	Ellsworth	247
2156	CKOI	96.9	PQ	Verdun FF (Au)	500
2159	WJFD	97.3	MA	New Bedford	437

19 Tr

0022	WWMJ	95.7	ME	Ellsworth, o	257
2320	WMDI	107.7	ME	Bar Harbor, o	247
2322	WBZN	107.3	ME	Old Town, ex: WUCM	267
2331	WBLM	102.9	ME	Portland, weak	347
2342	CBHY	92.1	NS	Yarmouth	147

20 Tr

2028	CFIM	92.7	PQ	Cap-aux-Mueles, FF	207
2045	WWMJ	95.7	ME	Ellsworth	247
2112	CIBM	107.1	PQ	Rivière du Loup, FF	360
2122	CKLE	92.9	NB	Bathurst	210
2136	CJBR	89.5	PQ	Rivière du Loup, FF	360
2144	CJLS	96.3	NS	Barrington	140
2152	WTOS	105.1	ME	Skowhegan	317

21 Tr

1430	CBAF	104.7	NS	Digby, FF	115
1432	CBZA	103.7	NB	Grand Manan, CBC	167
1839	WTOS	105.1	ME	Skowhegan	317
1910	unID	103.7		NHL hockey in FF	
1913	CIBM	107.1	PQ	Rivière-du-Loup // CKOI	
2029	WBPW	96.9	ME	Presque Isle, k	260
2030	CFIX	96.9	PQ	Chicoutimi, m	
(relaying CITE, first FM station from this area)					445
2130	WMEM	106.1	ME	Presque Isle,	260
2139	WMEA	90.1	ME	Portland, v. weak	347

23 Tr

2156	CIBM	107.1	PQ	Rivière-du-Loup, FF	360
2215	CIEU	94.9	PQ	Carleton, FF	280

24 Tr

0330	CIBM	107.1	PQ	Rivière du Loup	
0332	WMDI	107.7	ME	Bar Harbor, o	
0333	CBZA	103.7	NB	Grand Manan, CBC	
0339	CBAA	97.9	NB	Allardville, CBC	
2103	WBCI	105.9	ME	Bath, g	322
2109	WMEA	90.1	ME	Portland, c	
2112	WMCM	103.3	ME	Rockland, k	290

27 Tr

1432	WTOS	105.1	ME	Skowhegan	317
1438	WAVX	106.9	ME	Thomaston, classicl	292
1932	WMEA	90.1	ME	Portland, c	347
1940	WBLM	102.9	ME	Portland	347
1955	WSYY	94.9	ME	Millinocket, k	260
2008	WBZN	107.3	ME	Old Town, o	266

Mike LaRoque's report continued ...

OCTOBER 199528 Tr

0245	WXR	92.5	MA	Haverhill	397
0247	WMEA	90.1	ME	Portland, NPR	347
0249	WMED	89.7	ME	Calais, NPR	192
0300	WBQQ	99.3	ME	Kennebunk, W-Bach	362
0310	WPKM	106.3	ME	Scarborough, c	352
0316	WCYK	94.3	ME	Biddeford	357
0325	WCYI	93.9	ME	Lewiston	337
0332	WHOM	94.9	NH	Mt. Washington, m, strong	
0340	WQSS	102.5	ME	Camden, Coast 102	290
0400	WHYR	95.9	ME	Saco, dance	355
0410	WCSO	97.9	ME	Portland	347
0417	WBLM	102.9	ME	Portland	347
0431	WBCI	105.9	ME	Bath, g	322
0432	WMCM	103.3	ME	Rockland, k	290
0432	CKDY1	103.3	NS	Weymouth,	130
0436	WKCG	101.3	ME	Augusta, k	317
0441	CBIC	107.1	NS	Cheticamp, CBC	170
0442	WXKS	107.9	MA	Medford, dance	400
0444	WHQO	107.9	ME	Skowhegan, m	317
0535	WCME	96.7	ME	Boothbay Hbr, k	312
0544	WMEH	90.9	ME	Bangor, NPR	267
0700	WAVX	106.9	ME	Thomaston, c	292
2136	CIBM	107.1	PQ	Rivières du Loup, FF	360

NOVEMBER 1995 DX5 Tr

2143	CIBM	107.1	PQ	Rivières du Loup,	360
2144	WMDI	107.7	ME	Bar Harbor, o	247
2145	WMEM	106.1	ME	Presque Isle, c	260
2146	CBAP	105.7	NB	Allardville, CBC FF	210
2150	WTOS	105.1	ME	Skowhegan, rp	317
2200	WBPW	96.9	ME	Presque Isle, k	260

9 Tr

2030	WAVX	106.9	ME	Thomaston	
	"106.9 The Classical Wave"				
2307	WERU	88.9	ME	Blue Hill, jazz in & out	
2308	CKLE	92.9	NB	Bathurst, FF	230

11 TrS

0530	CBI	105.1	NS	Sydney, c,	190
0530	WTOS	105.1	ME	Skowhegan, rp	317
0815	WMEM	106.1	ME	Presque Isle,	260
2032	WMDI	107.7	ME	Bar Harbor, o	247
2034	WWMJ	95.7	ME	Ellsworth, o	245

12 Tr

0234	WQCB	106.5	ME	Brewer, k	266
0238	CKHJ	105.3	NB	Frederickton, k	175
0553	WMEA	90.1	ME	Portland	347
0554	WMED	89.7	ME	Calais	192

14 Tr

0404	WSYY	94.9	ME	Millinocket, k	260
0405	WTOS	105.1	ME	Skowhegan, rp	317
0409	WQCB	106.5	ME	Brewer, k	266
2150	CBNM	90.3	NF	Marystown, CBC c	433
2200	CBIC	107.1	NS	Cheticamp, c	170
0049	CHOZ	94.7	NF	St. John's, r	565
0130	CKIX	99.1	NF	St. John's, k	565
0154	CBAF	105.9	NF	St. John's, c	565
0157	CBN	106.9	NF	St. John's,	565
0818	CKLE	92.9	NB	Bathurst, FF	230

23 MS

1940 WARX 106.9 MD Hagerstown, mentioned
Howard Johnson Ramada Inn in Hagerstown



BOB SMOLAREK - 31 MARK DRIVE - HIGH BRIDGE, NEW JERSEY 08829

AUGUST 199529 Tr

0700	WNDI	104.9	VA	White Stone, m	
0730	WFXK	104.3	NC	Tarboro, r	

SEPTEMBER 199530 Tr

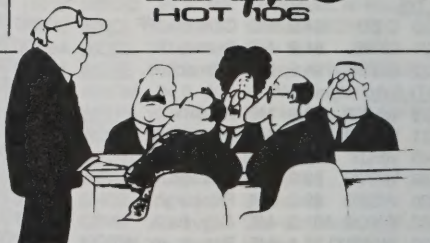
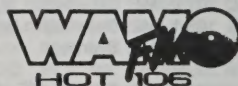
0920	WKMM	96.7	WV	Kingwood, k	
0928	WAMO	105.9	PA	Pittsburgh, s, FINALLY!	
0930	WDSY	107.9	PA	Pittsburgh, k	
1000	WOIL	107.1	PA	Mifflintown, g	
1010	WWWD	97.7	PA	Jersey Shore, o	

OCTOBER 19952 GW

2200 WJCS 89.3 PA Allentown, g

22 GW

2200 W224AV 92.7 PA Allentown, c, relaying WWFM
89.1 (who else!)



toons by Old West
Graphics

MODIFYING THE CM 7' DISH- MAKING A GOOD ANTENNA GREAT

by Neil Kazaross

I have spent considerable time during the last year comparing various UHF antennas, including a 3 element array of 8 bays. My results have shown that a 7 ft dish is the best commercially available UHF DX antenna. My personal comparisons have shown that the Channel Master 7 ft dish (CM7) is somewhat superior to the Antennacraft dish P7. I feel that this may be due to my problems getting the P7 into a dishlike shape. the CM7 has greater rigidity and is in a nice parabolic shape. However, I noted that the front to back ratio of the stock CM7 is somewhat less than the f/b of the stock P7 presumably due to the wider spacing of the wider CM7 reflector elements. This leads us to the first modification.

SCREENING YOUR DISH TO IMPROVE FRONT TO BACK RATIO

A few DXers have been screening their dishes over the years and have noticed dramatic improvements in front to back ratio because the screening allows much less signal to pass through the back of the dish. These DXers have usually used 1/2 or even 1/4 inch hardware cloth and one guy used window screen. While these work great electrically, they greatly add to the wind loading of the antenna, and also when heavy wet snow or ice hits the entire surface can ice up and become impervious to the wind and not only can heavy winds in a winter storm bend your mast and destroy your antenna they can bring your tower down! I decided to try to use lighter weight screening material with a wider spacing and much less wind resistance. Ordinary 1 inch hexagonal mesh chicken wire provides the ideal solution! Two years ago I screened my P7 with chicken wire and noted a clear improvement in front to back and less trouble from my Chicago pest of the back end. Then I put 1/2" hardware cloth over the chicken wire and noticed little change except in weight and wind resistance. I also added chicken wire to the CM7 and again f/b improved. On both antennas I think forward gain and beamwidth improved very slightly but the f/b improvements are a big help in today's crowded band during a good trop opening. When I used to work as an antenna design engineer, our rule of thumb for screening was that .05 wavelengths mesh spacing was as good a solid material. Well the wavelength at 600 Mhz is about 20 inches so 1 inch spacing is .05 and I noticed no degradation at channel 69 (806 MHz). So take it from me, chicken wire screen your dish. It is easy, cheap, and won't increase wind resistance that much.

EXTENDING THE PARABOLA TO IMPROVE FRONT TO SIDE RATIO

The last modification to clearly improve the CM7 is to extend the parabola out further. This has the dual benefits of making a somewhat larger reflective surface (i.e. bigger dish) and blocking some of the RF that hits the feed elements from the side. While I was at the Lake Placid convention, broadcast engineer Joe Gragg told me of this mod. First of all I made a few measurements to try to guesstimate what the equation of the parabola to form the CM7 is and came up with:

$$y = (x^2 + 9.5)$$

So to extend the parabola you need to use a sturdy material. I used fence material with a 2 inch vertical by 4 inch horizontal mesh and 4 ft height. On each side of the dish I attached a 4 ft high section of the fence material along the thick vertical rib of the CM7 on that side. Then I did a lot of bending to get it into a shape which extends the parabola per the calculated dimensions. In order to bend it into proper shape you will need to make a deep cut about half between the top and bottom of the dish of both sides to facilitate bending the straight material into a parabolic shape. Once this is done and attached to the dish with heavy duty cable ties you can fit in more pieces of fence mesh to complete the dish. My result was that the 7 ft dish was transformed into a 9 ft deep dish. The sides of the deep dish almost go out as far as the 2 bay feed of the CM7. My results show a clear reduction of signals from the side with this modification and a slight maybe 1 dB to 1.5 dB improvement in gain, and beamwidth is improved slightly. Now I can watch 18 in Davenport with considerably less QRM from Milwaukee of the side. In a recent trop opening I was able to cleanly separate Ontario 53 from Michigan 53 due to the narrow beamwidth, and similar other results are obtained across the band. The 9 ft deep dish is the best UHF antenna I have ever used. Beware the 9 ft antenna does weigh more than the 7 ft dish and I doubt you could keep it up on a roof mount, but with a good tower/rotor it should be no problem. As a final improvement I plan to extend about 3 ft at the center of both sides out slightly past the feed element to try to block more signals from the side. I did not chicken wire screen the 2 by 4 inch added mesh, but that might possibly help a bit more. The 9 ft deep dish follows the antenna engineering practice of reducing the edge taper of a dish to reduce side lobes and this 9 ft dish won't have as much gain as a 9 ft scaled exact model of the 7 ft dish would have, but it has a more DX usable pattern in my opinion. Good luck modifying your dish and if you are mechanically competent, you just might come up with better ways to do it.



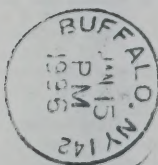
WORLDWIDE TV-FM DX ASSOCIATION

POST OFFICE BOX 514-BUFFALO, NY 14205-0514-U.S.A.

OPINIONS EXPRESSED IN THIS PUBLICATION ARE THOSE OF THE INDIVIDUAL CONTRIBUTOR AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE PUBLISHER OR BOARD OF DIRECTORS. WE RESERVE THE RIGHT TO EDIT MATERIAL TO MEET PUBLISHING STANDARDS. UNLESS PREVIOUSLY AGREED UPON IN WRITING, ALL MATERIAL SUBMITTED FOR PUBLICATION IN THE WF-LHF DIGEST BECOMES THE PROPERTY OF W.T.F.D.A.

REPRODUCTION OF MATERIAL FROM THE WF-LHF DIGEST WITHOUT PERMISSION OF W.T.F.D.A. IS PROHIBITED. INDIVIDUALS AND OTHER ORGANIZATIONS ARE GRANTED SUCH PERMISSION PROVIDING PROPER CREDIT IS GIVEN TO THE SOURCE.

ANNUAL DUES: \$24/year: U.S. addressees
(payable in \$26/year* to Canada
U.S. funds) \$38/year* for airmail service to all other
countries. (*Payable in U.S. funds)



first class mail

6/96
ALFRED LAUN K3ZO
P O BOX 97
TEMPLE HILLS MD 20757-0097